Data File: /chem/HP07566.i/06jan26b.b/rj26s05.d

Date : 26-JAN-2006 20:54

Client ID: 6007-

Sample Info: 6007-;4692568;2;0;;

Instrument: HP07566.i

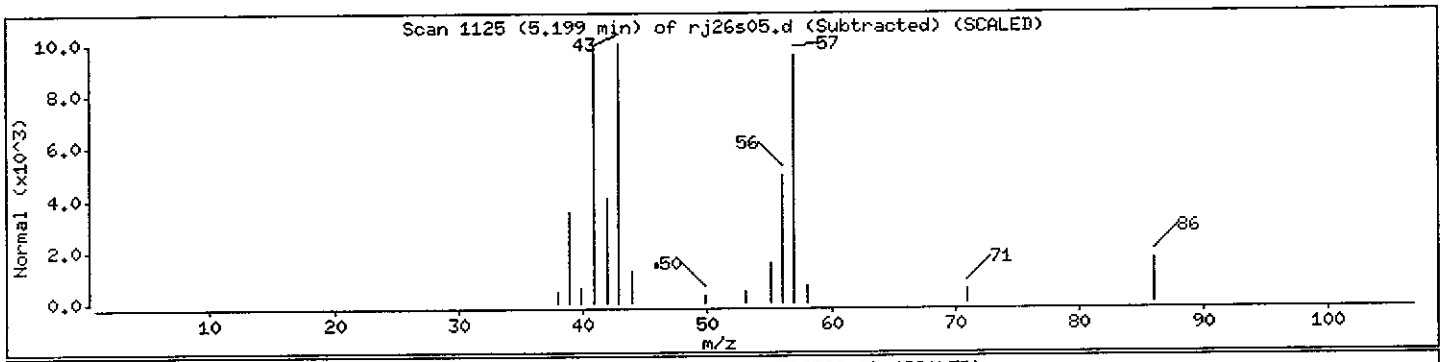
Operator: JML01693

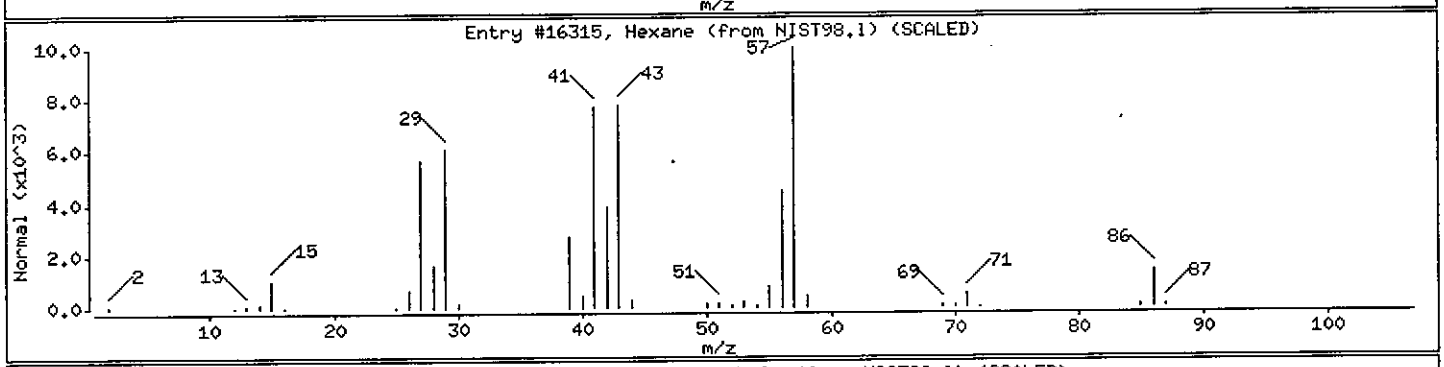
Column phase: DB-624

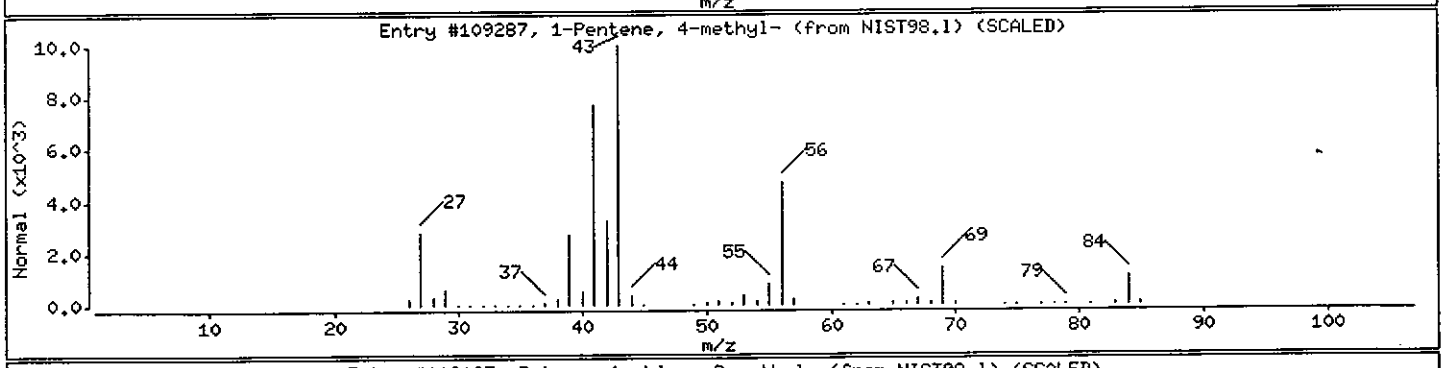
Column diameter: 0.25

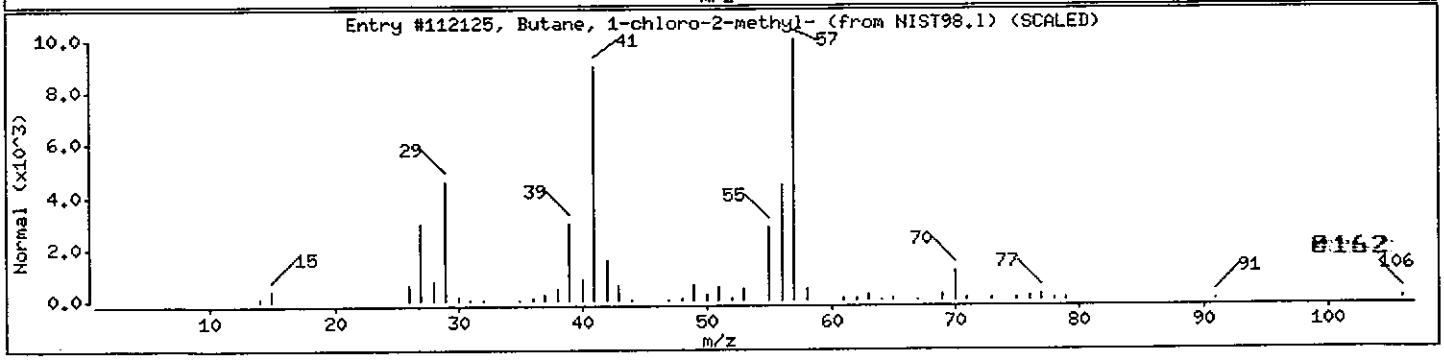
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NIST98.1	16315	91	C6H14	86
1-Pentene, 4-methyl-	691-37-2	NIST98.1	109287	45	C6H12	84
Butane, 1-chloro-2-methyl-	616-13-7	NIST98.1	112125	37	C5H11Cl	106









B162

Data File: /chem/HP07566.i/06jan26b.b/rj26s05.d

Date : 26-JAN-2006 20:54

Client ID: 6007-

Sample Info: 6007-;4692568;2;0;;

Instrument: HP07566.i

Operator: JML01693

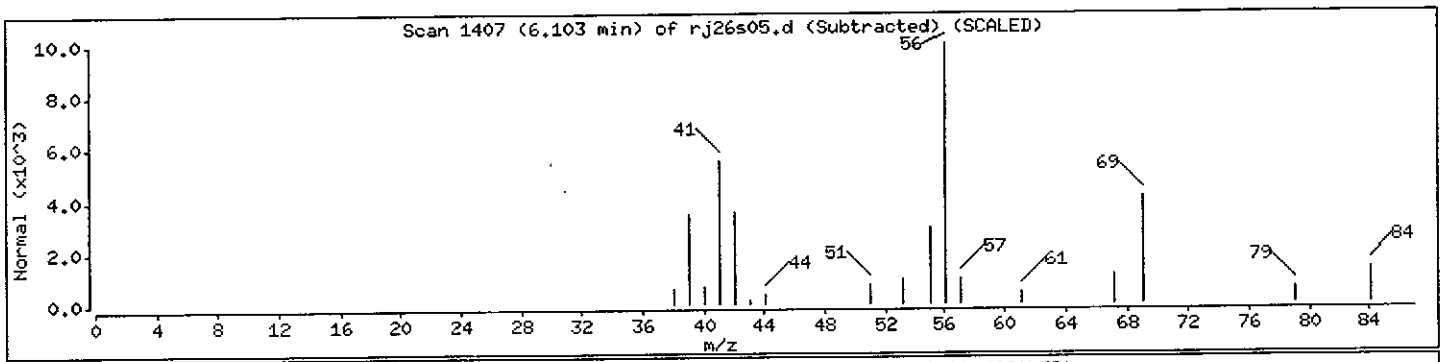
Column phase: DB-624

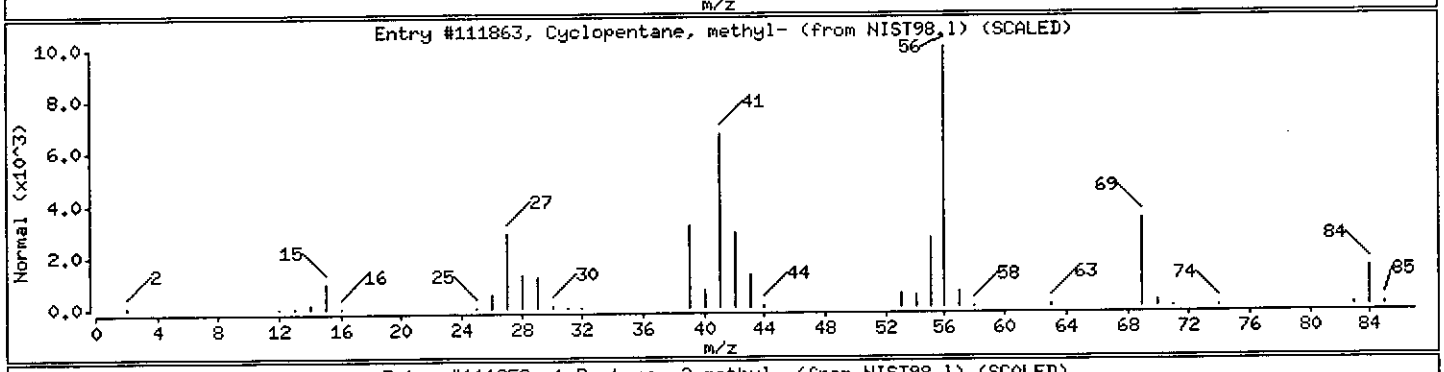
Column diameter: 0.25

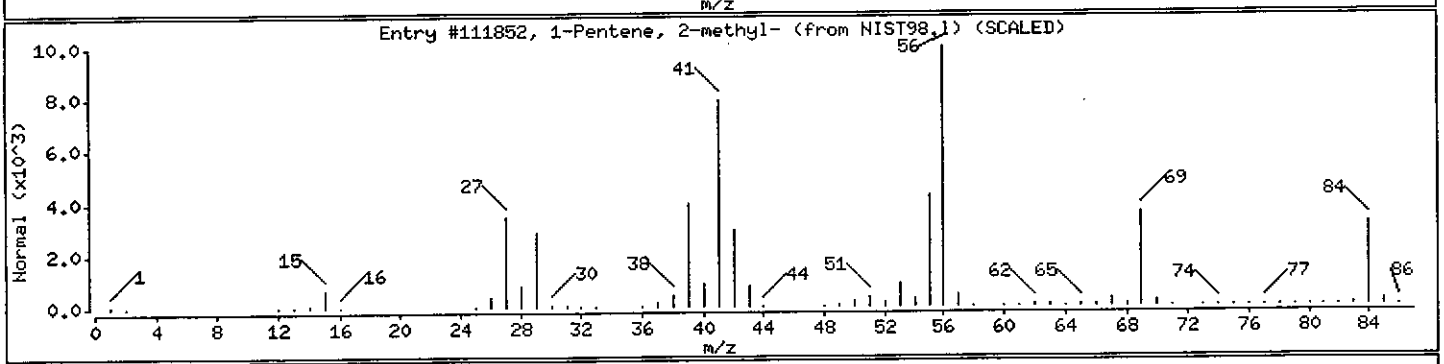
Review Code:

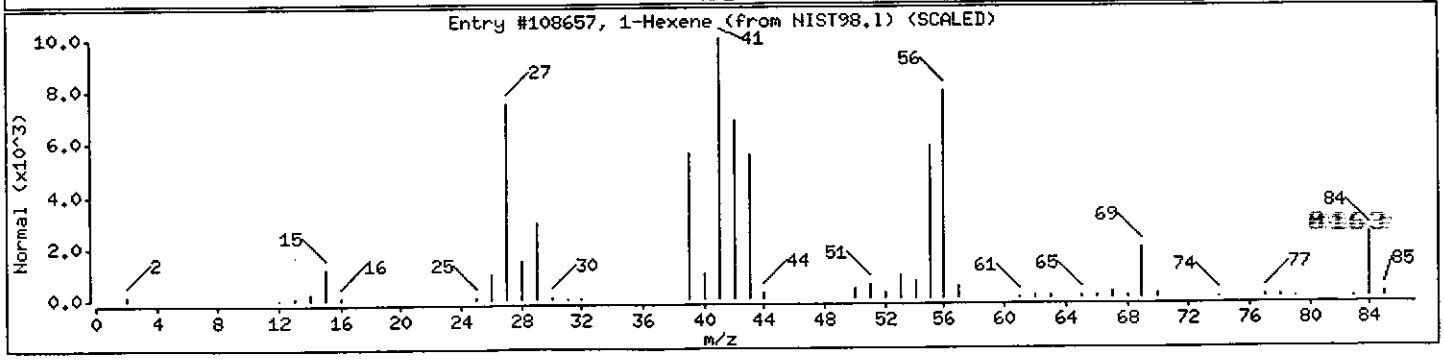
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopentane, methyl-	96-37-7	NIST98.1	111863	80	C6H12	84
1-Pentene, 2-methyl-	763-29-1	NIST98.1	111852	64	C6H12	84
1-Hexene	592-41-6	NIST98.1	108657	49	C6H12	84









Data File: /chem/HP07566.i/06jan26b.b/rj26s05.d

Date : 26-JAN-2006 20:54

Client ID: 6007-

Instrument: HP07566.i

Sample Info: 6007-;4692568;2;0;;

Operator: JML01693

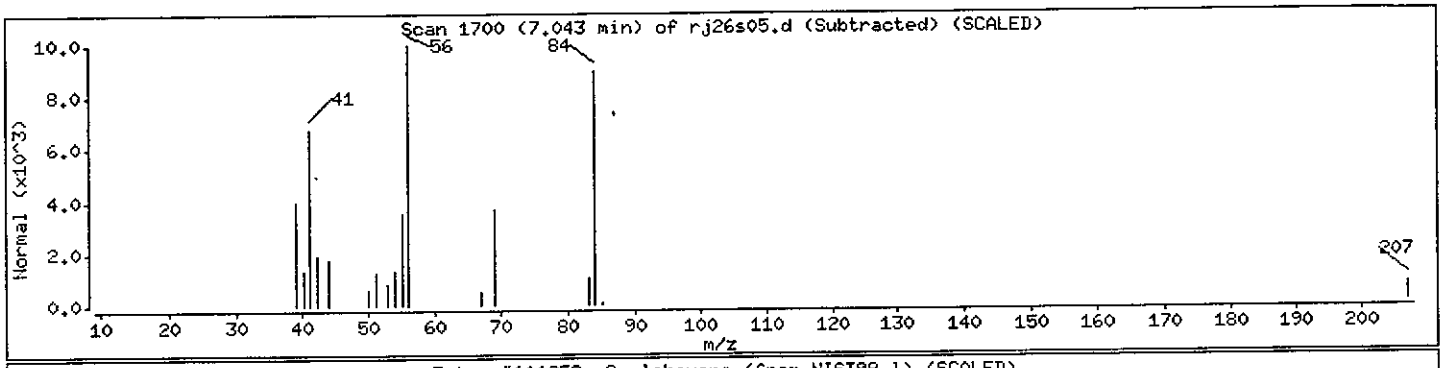
Column phase: DB-624

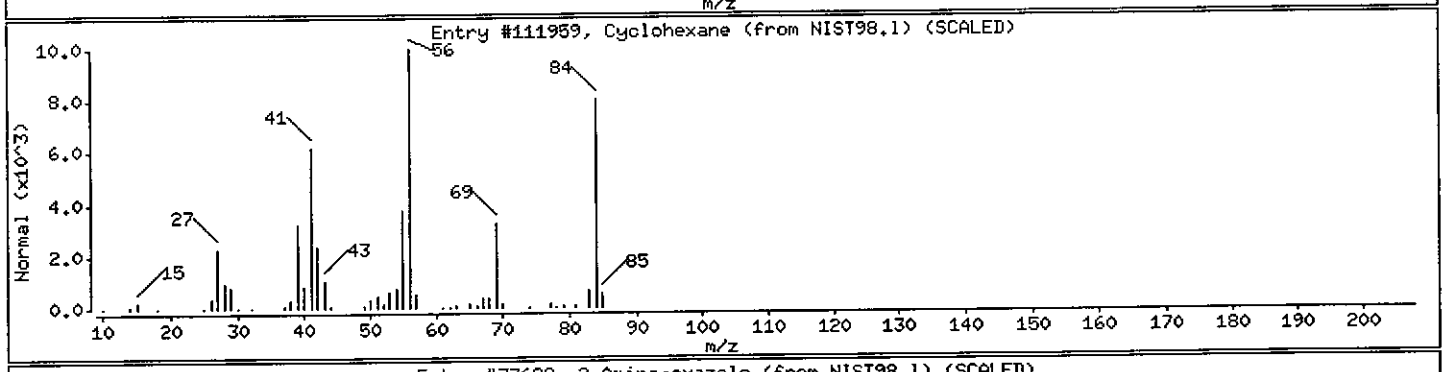
Column diameter: 0.25

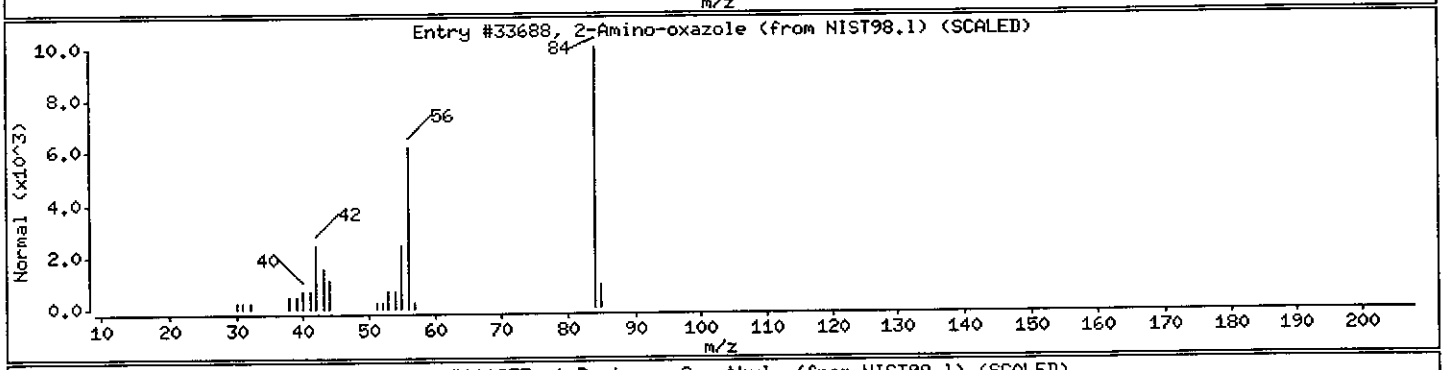
Review Code:

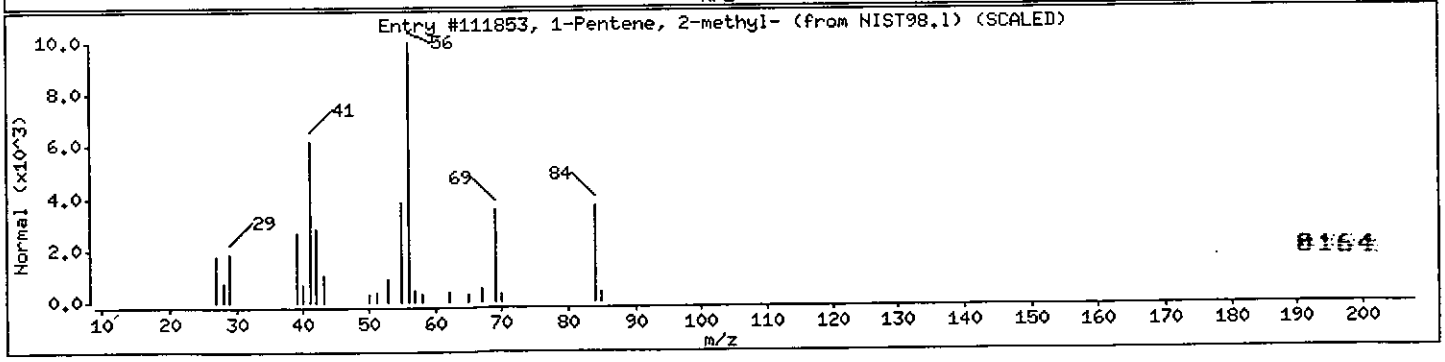
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane	110-82-7	NIST98.1	111959	68	C6H12	84
2-Amino-oxazole	1000144-64-0	NIST98.1	33688	53	C3H4N2O	84
1-Pentene, 2-methyl-	763-29-1	NIST98.1	111853	53	C6H12	84









8164

Data File: /chem/HP07566.i/06jan26b.b/rj26s05.d

Date : 26-JAN-2006 20:54

Client ID: 6007-

Sample Info: 6007-;4692568;2;0;;

Instrument: HP07566.i

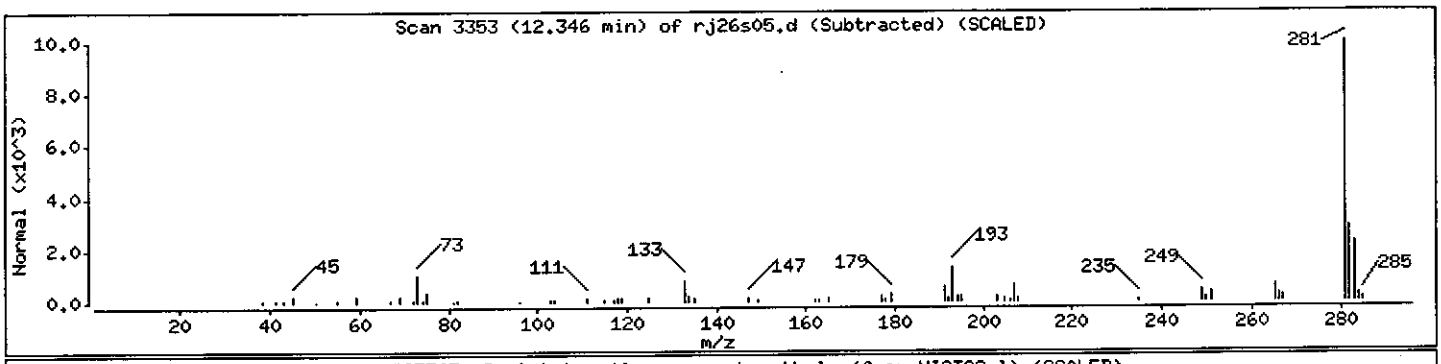
Operator: JML01693

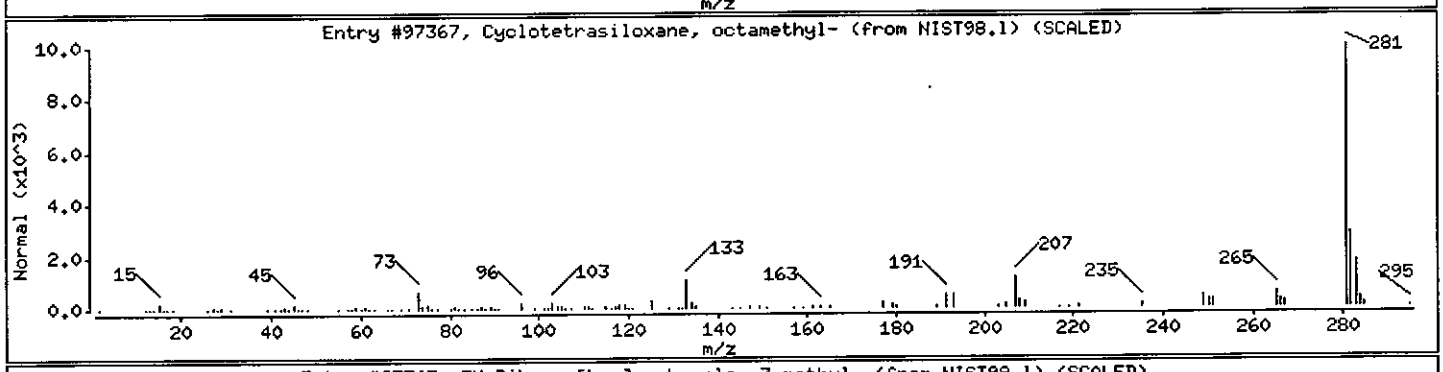
Column phase: DB-624

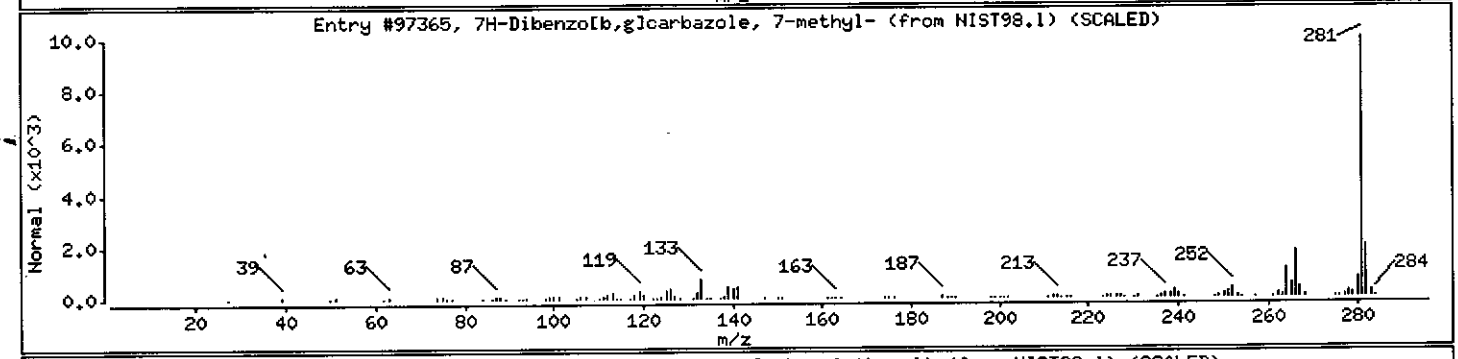
Column diameter: 0.25

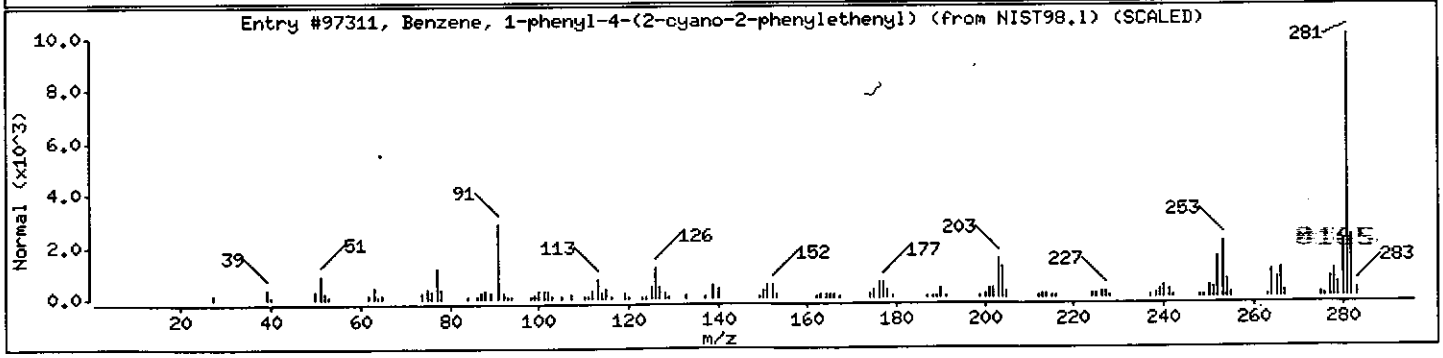
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.1	97367	90	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.1	97365	53	C21H15N	281
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NIST98.1	97311	50	C21H15N	281









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 5.94 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s06.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	3	J
75-09-2	Methylene Chloride	2	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (Total)	1	U

0156

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 5.94 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s06.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
100-42-5	Styrene		1	U
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U

B167

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6024-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692569

Sample wt/vol: 5.94 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s06.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.34	160	J
2. 78-78-4	Butane, 2-methyl-	2.86	30	NJ
3. 109-66-0	Pentane	3.14	20	NJ
4. 107-83-5	Pentane, 2-methyl-	4.39	10	NJ
5. 110-54-3	Hexane	5.20	8	NJ
6.				
7.				
8.				
9.				
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29.				
30.				

0168

FORM I VOA-TIC

OLM03.0

6024-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692569

File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Sample: 6024-;4692569;2;0;;
Injected At:26-JAN-2006 21:21
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.84
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.9400 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.569(0.004)	1552	128	106405(-17)	50.00	
58) 1,4-Difluorobenzene	7.961(-0.003)	1986	114	663703(-19)	50.00	
91) Chlorobenzene-d5	11.252(0.001)	3012	117	552889(-28)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.361(-0.002)	65	382235	54.130	108%		70 - 121
78) Toluene-d8	(3)	9.821(0.000)	98	804936	55.006	110%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.240(0.000)	95	230717	38.940	78%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.68	8.42
3) Vinyl Chloride	(1)				ND	ND			1.68	8.42
5) Bromomethane	(1)				ND	ND			2.53	8.42
6) Chloroethane	(1)				ND	ND			2.53	8.42
10) 1,1-Dichloroethene	(1)				ND	ND			1.68	8.42
16) Acetone	(1)	3.717(-0.001)	43	20830	8.417	7.09		J	5.89	8.42
18) Carbon Disulfide	(1)	4.006(-0.001)	76	54341	3.049	2.57		J	2.53	8.42
22) Methylene Chloride	(1)				ND	ND			1.68	8.42
26) trans-1,2-Dichloroethene	(1)				ND	ND			1.68	8.42
31) 1,1-Dichloroethane	(1)				ND	ND			0.84	8.42
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.68	8.42
40) 2-Butanone	(1)				ND	ND			5.89	8.42
45) Chloroform	(1)				ND	ND			0.84	8.42
46) 1,1,1-Trichloroethane	(2)				ND	ND			0.84	8.42
49) Carbon Tetrachloride	(2)				ND	ND			0.84	8.42
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.68	8.42
52) Benzene	(2)				ND	ND			0.84	8.42
53) 1,2-Dichloroethane	(1)				ND	ND			1.68	8.42
61) Trichloroethene	(2)				ND	ND			0.84	8.42
66) 1,2-Dichloropropane	(2)				ND	ND			2.53	8.42
71) Bromodichloromethane	(2)				ND	ND			1.68	8.42
75) cis-1,3-Dichloropropene	(2)				ND	ND			0.84	8.42
76) 4-Methyl-2-Pentanone	(3)				ND	ND			2.53	8.42
80) Toluene	(3)	9.892(0.001)	91	24058	1.157	0.97		J	0.84	8.42

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

8169

6024-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692569

File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Sample: 6024-;4692569;2;0;;
Injected At:26-JAN-2006 21:21
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.84
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.9400 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			0.84	8.42
83) 1,1,2-Trichloroethane	(2)					ND	ND			1.68	8.42
85) Tetrachloroethene	(3)					ND	ND			0.84	8.42
87) 2-Hexanone	(3)					ND	ND			2.53	8.42
88) Dibromochloromethane	(2)					ND	ND			0.84	8.42
92) Chlorobenzene	(3)					ND	ND			0.84	8.42
94) Ethylbenzene	(3)					ND	ND			0.84	8.42
95) m+p-Xylene	(3)					ND	ND			0.84	8.42
96) Xylene (Total)	(3)					ND	ND			0.84	8.42
97) o-Xylene	(3)					ND	ND			0.84	8.42
98) Styrene	(3)					ND	ND			0.84	8.42
99) Bromoform	(2)					ND	ND			0.84	8.42
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			0.84	8.42

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: SB9367

Analyst: [signature] Date: 1/30/06

Auditor: [signature] Date: 2/2/06

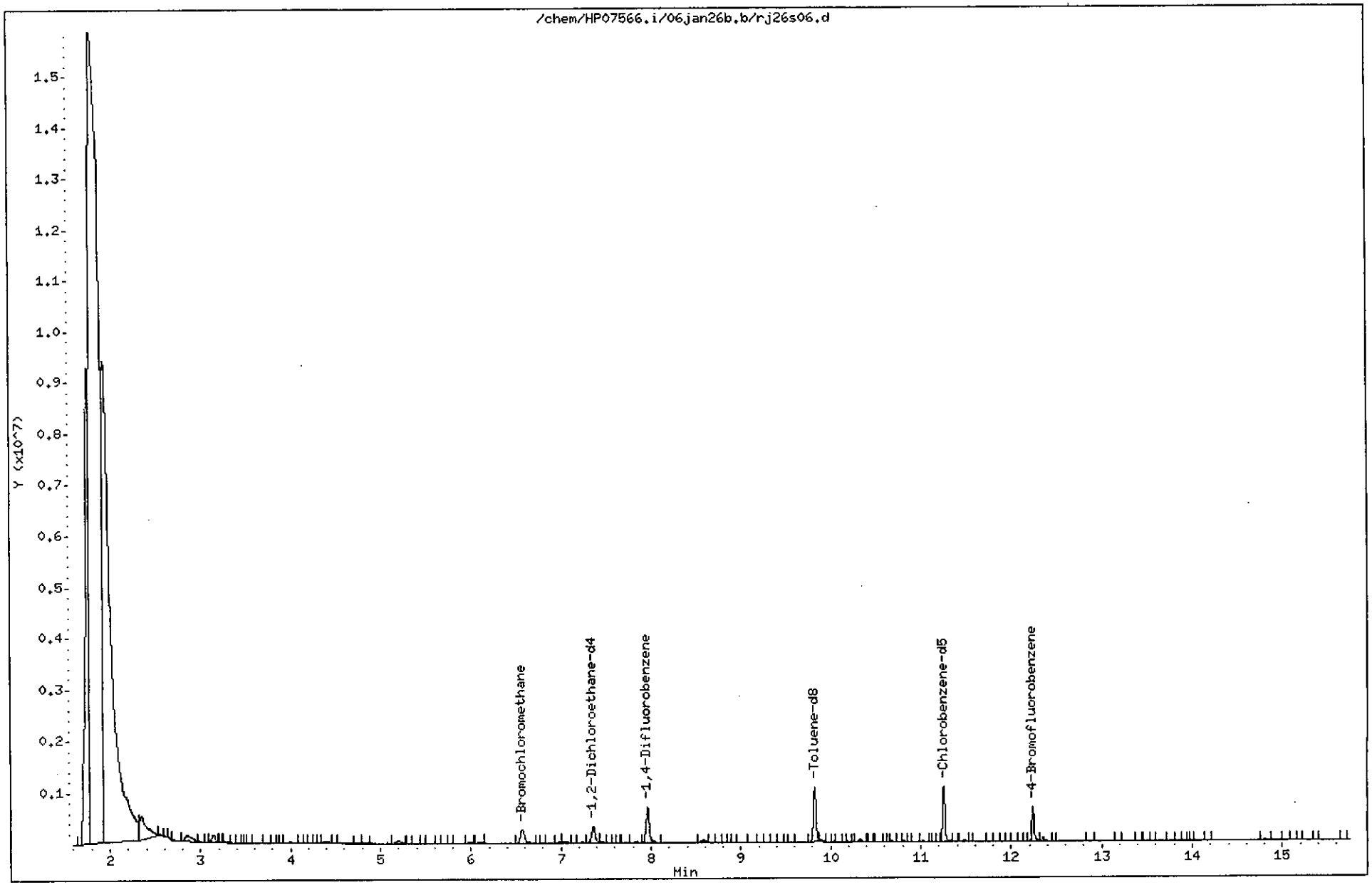
8170

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Date : 26-JAN-2006 21:21
Client ID: 6024-
Sample Info: 6024-;4692569;2;0;;

Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

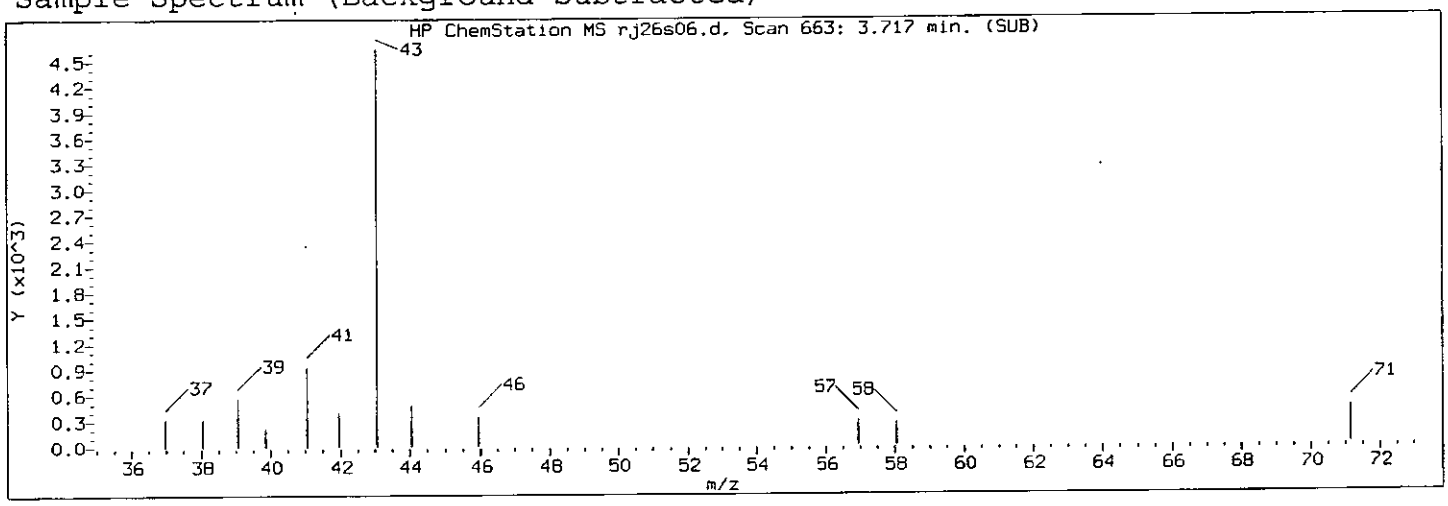
Sample Name: 6024- Lab Sample ID: 4692569

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
16) Acetone	(1)	3.717	43	20830M	8.417
18) Carbon Disulfide	(1)	4.006	76	54341M	3.049
43) *Bromochloromethane	(1)	6.569	128	106405	50.000
58) *1,4-Difluorobenzene	(2)	7.961	114	663703	50.000
80) Toluene	(3)	9.892	91	24058	1.157
91) *Chlorobenzene-d5	(3)	11.252	117	552889	50.000
50) $1,2-Dichloroethane-d4	(1)	7.361	65	382235	54.130
78) $Toluene-d8	(3)	9.821	98	804936	55.006
103) $4-Bromofluorobenzene	(3)	12.240	95	230717	38.940

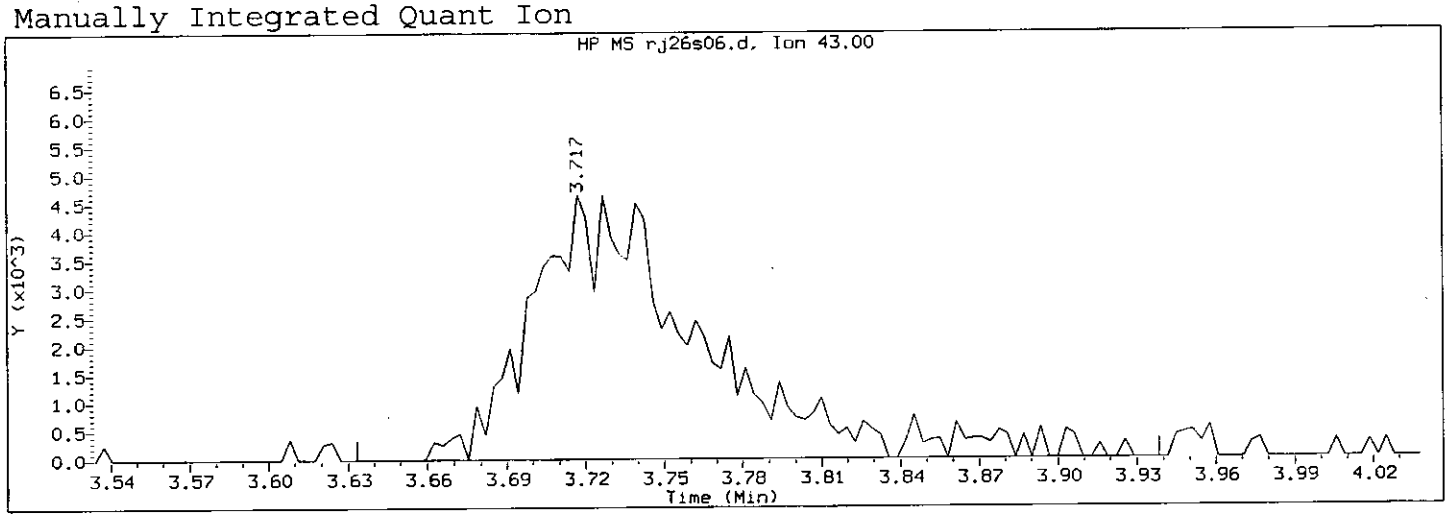
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 18:08
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Compound Number : 16
Compound Name : Acetone
Scan Number : 663
Retention Time (minutes): 3.717
Quant Ion : 43
Area (flag) : 20830 M
Concentration (ug/Kg) : 8.4171
Integration start scan : 636 Integration stop scan: 731
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

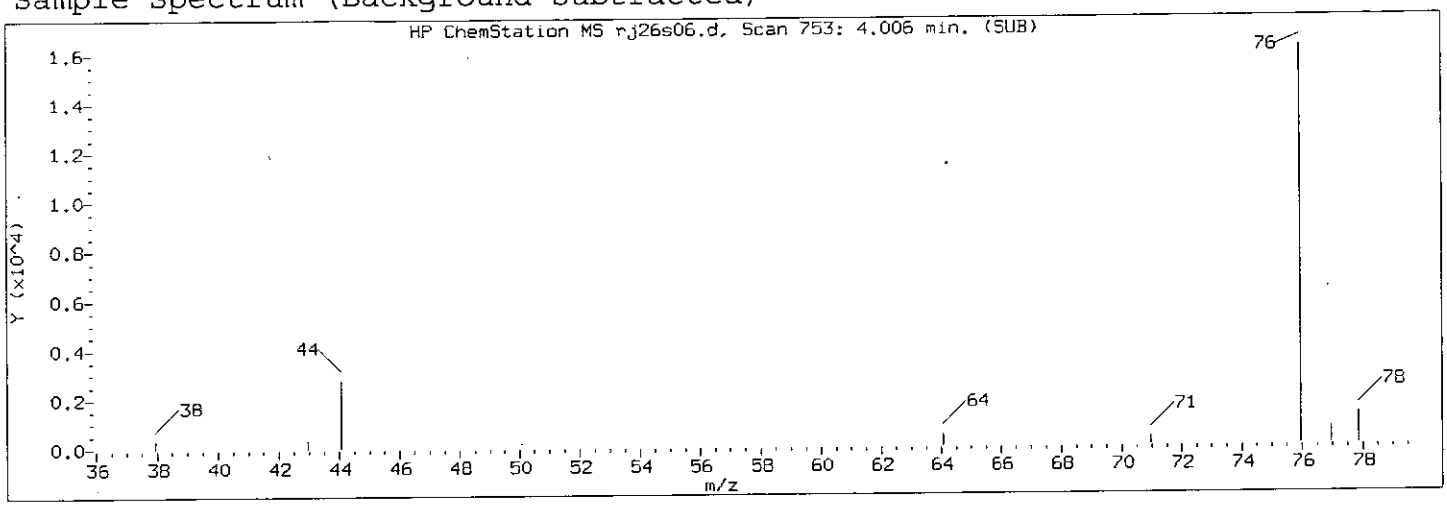
Analyst responsible for change: _____ 1/31/06

0173

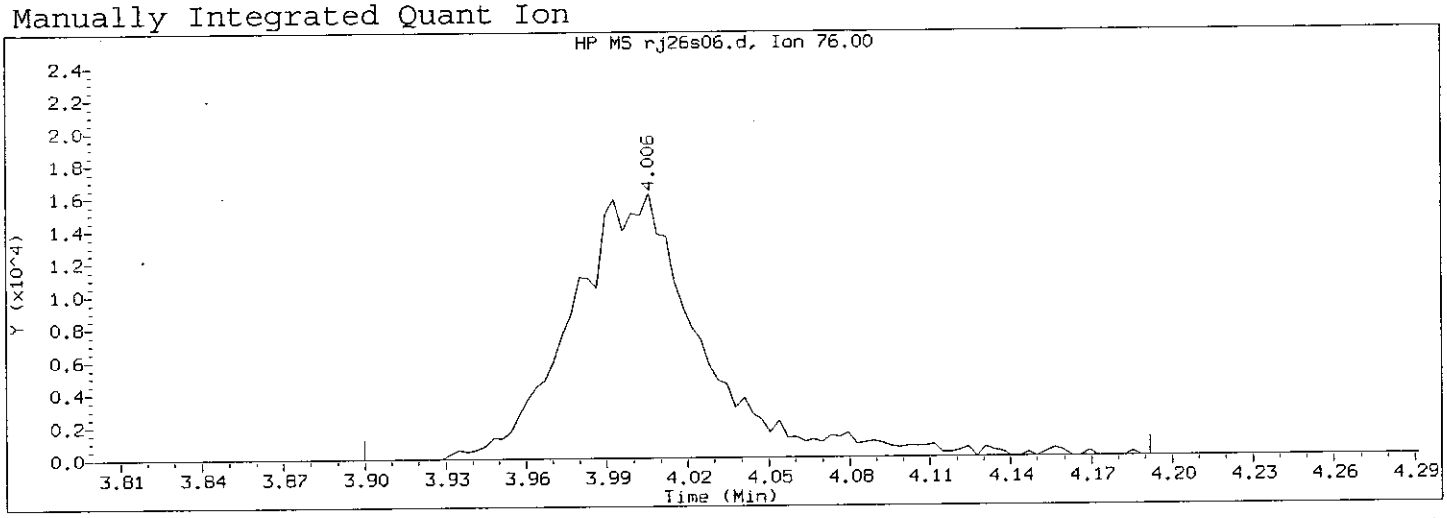
GC/MS audit/management approval: _____ 2/2/06

Manual Integration Report for data file /chem/HP07566.i/06jan26b.b/rj26s06.d, generated on 01/31/2006 at 08:16

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 18:08
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Compound Number : 18
Compound Name : Carbon Disulfide
Scan Number : 753
Retention Time (minutes): 4.006
Quant Ion : 76
Area (flag) : 54341 M
Concentration (ug/Kg) : 3.0491
Integration start scan : 719 Integration stop scan: 810
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

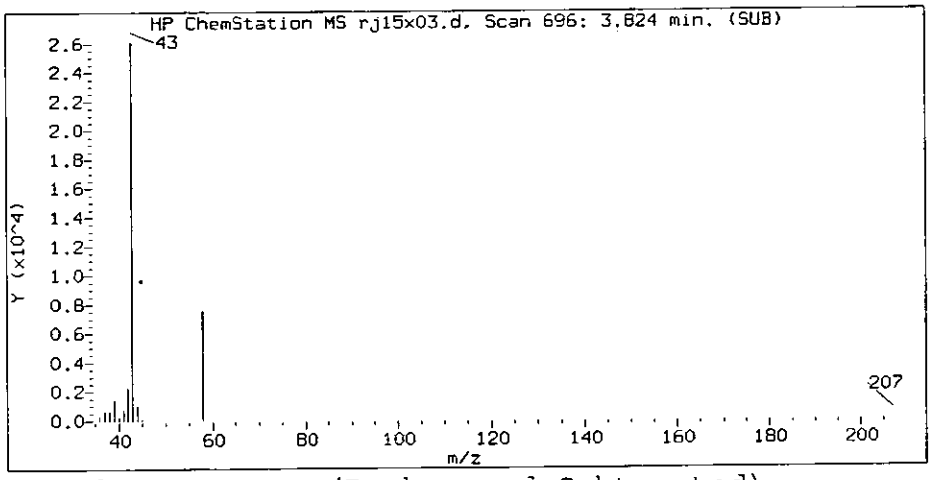
Analyst responsible for change: [signature] 1/30/06

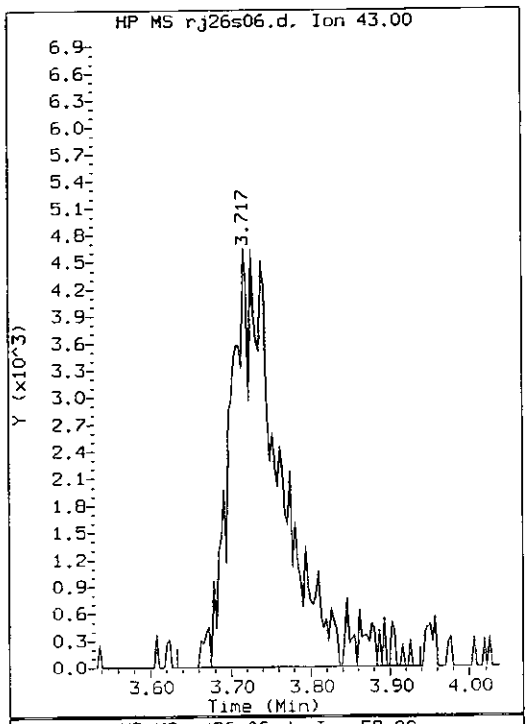
0174

GC/MS audit/management approval: [signature] 2/2/06

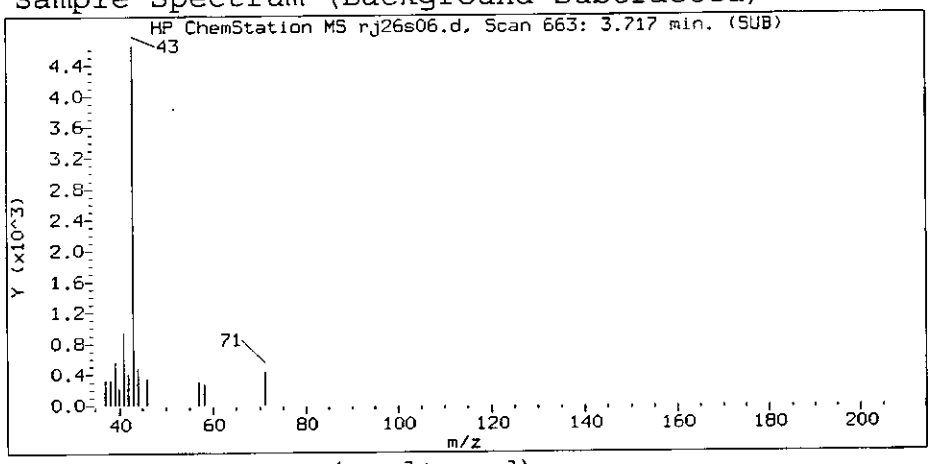
Manual Integration Report for data file /chem/HP07566.i/06jan26b.b/rj26s06.d, generated on 01/31/2006 at 08:16

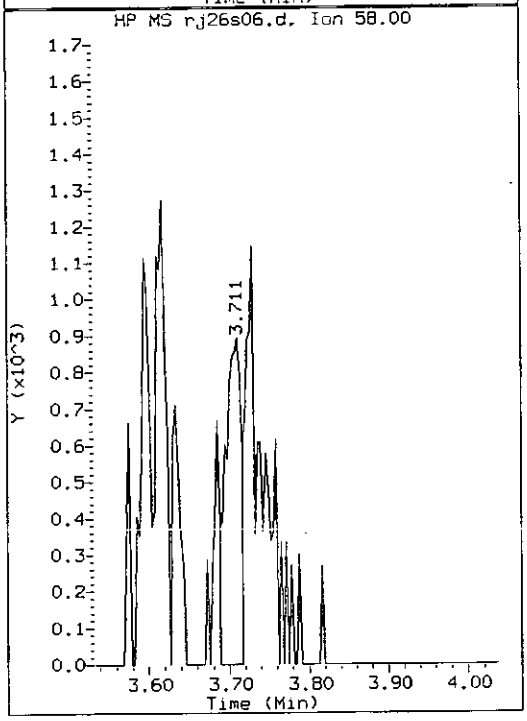
Reference Standard Spectrum for Acetone



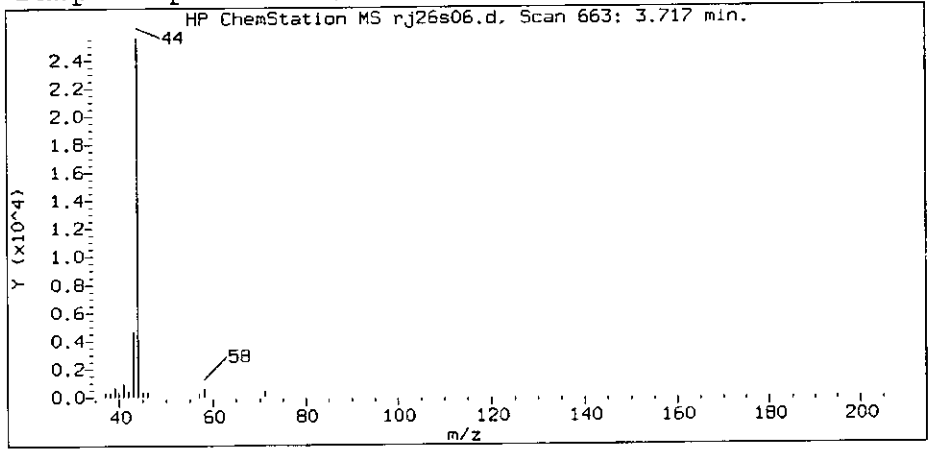


Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)



Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Injection date and time: 26-JAN-2006 21:21

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 18:08
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

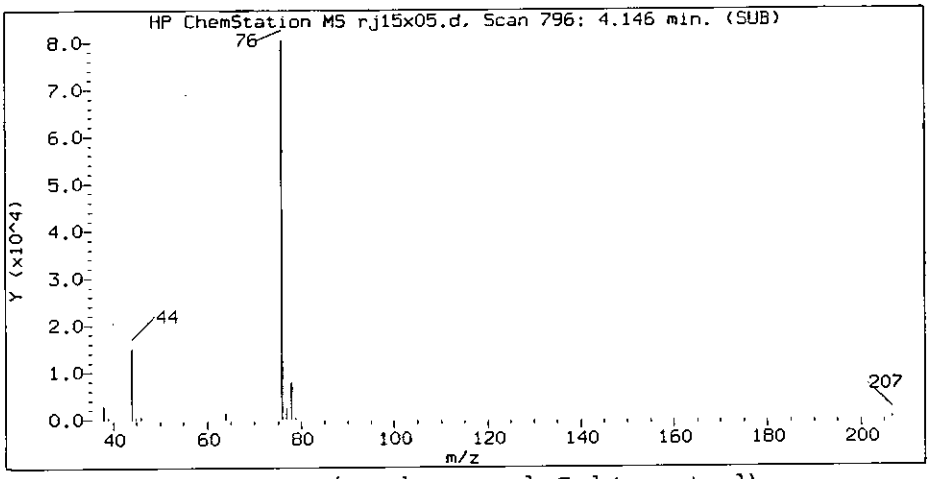
Sample Name: 6024-

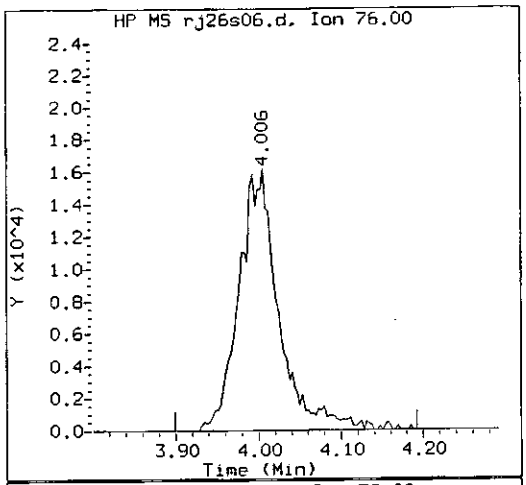
Lab Sample ID: 4692569

Compound Number	: 16
Compound Name	: Acetone
Scan Number	: 663
Retention Time (minutes)	: 3.717
Quant Ion	: 43.0
Area (flag)	: 20830 M
Concentration (ug/Kg)	: 8.4171

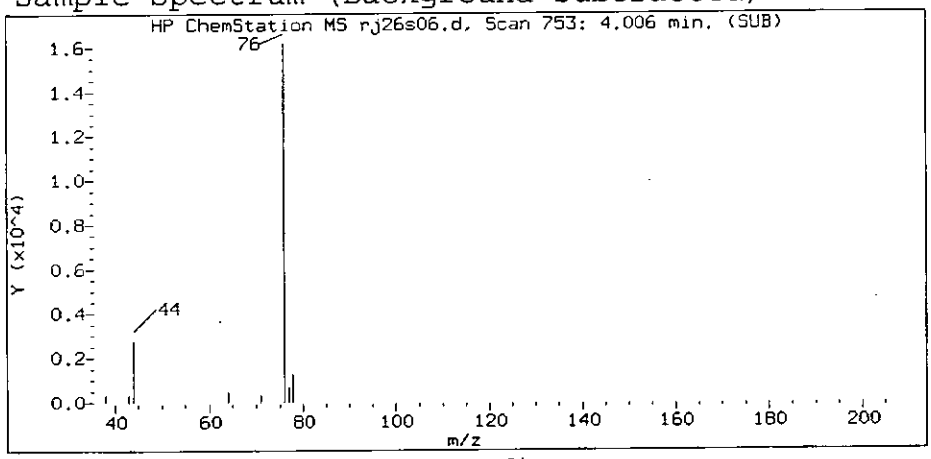
8175

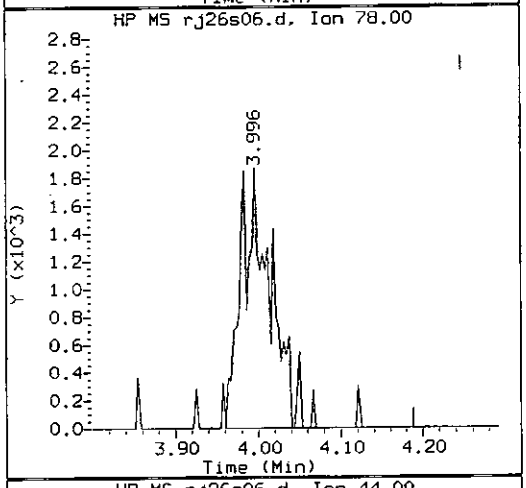
Reference Standard Spectrum for Carbon Disulfide



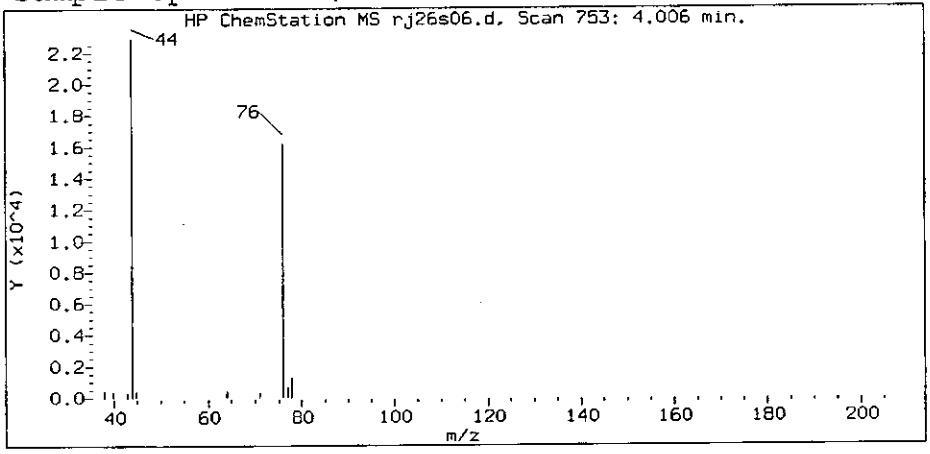


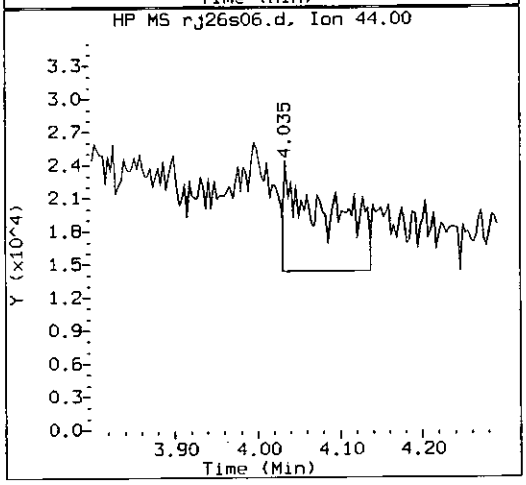
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Injection date and time: 26-JAN-2006 21:21

Instrument ID: HP07566.i
Analyst ID: JML01693

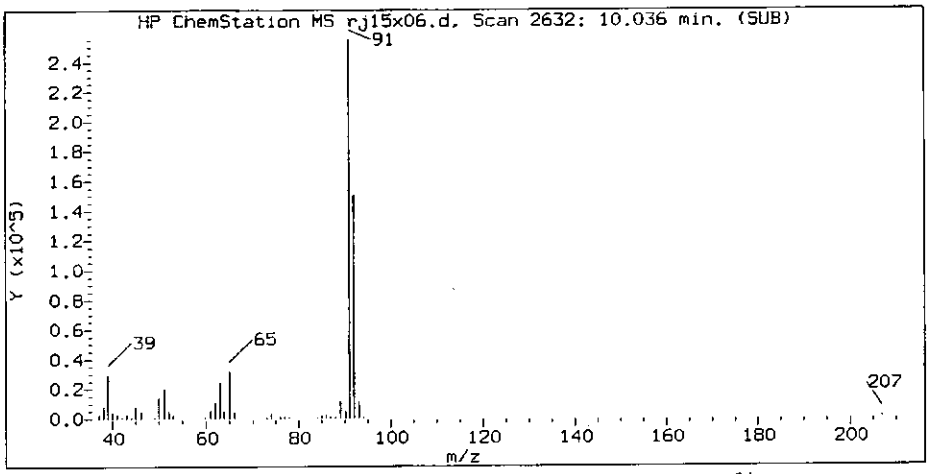
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 18:08
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024-

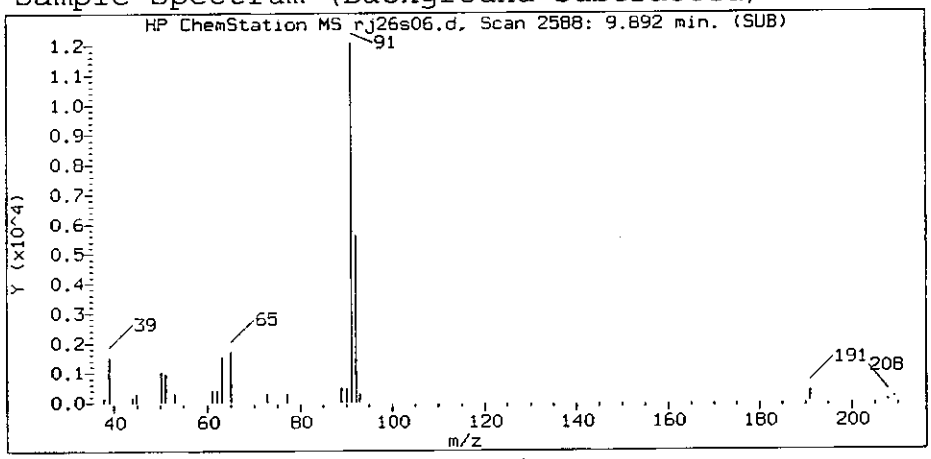
Lab Sample ID: 4692569

Compound Number	: 18
Compound Name	: Carbon Disulfide
Scan Number	: 753
Retention Time (minutes)	: 4.006
Quant Ion	: 76.0
Area (flag)	: 54341 M
Concentration (ug/Kg)	: 3.0491

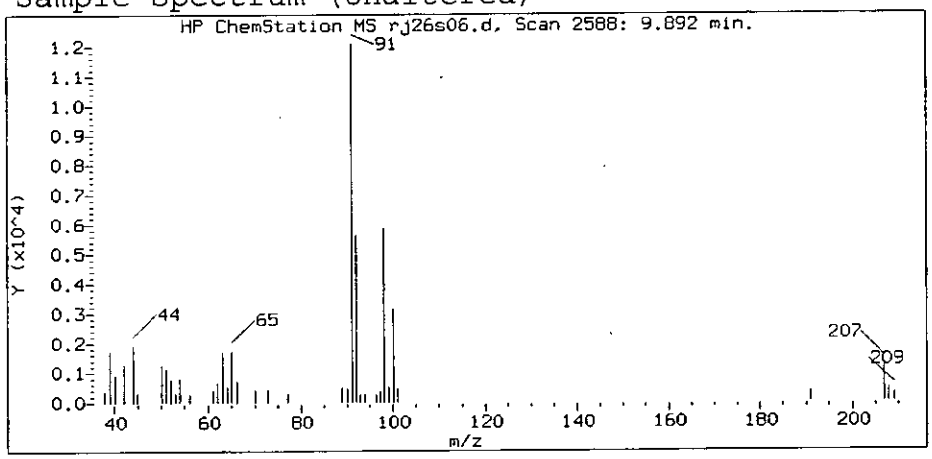
Reference Standard Spectrum for Toluene

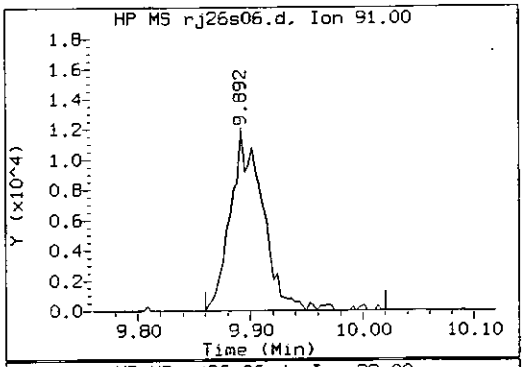


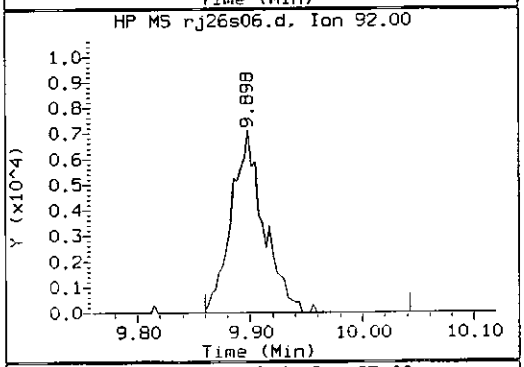
Sample Spectrum (Background Subtracted)

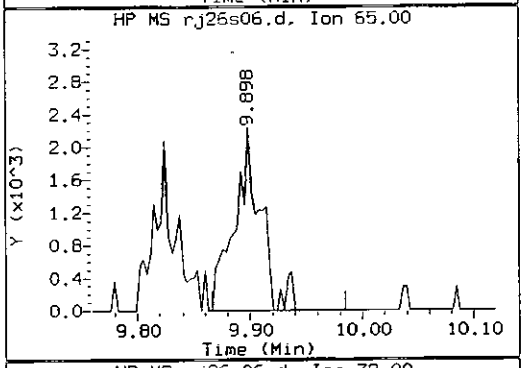


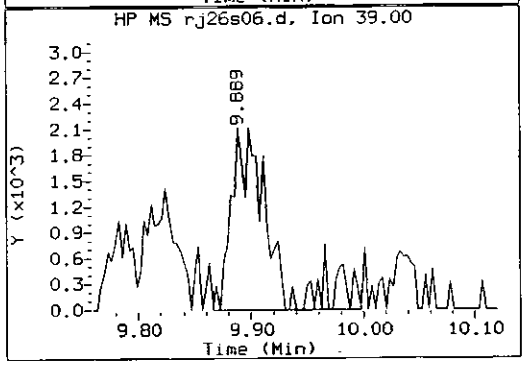
Sample Spectrum (Unaltered)











Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d
Injection date and time: 26-JAN-2006 21:21

Instrument ID: HP07566.i
Analyst ID: JML01693

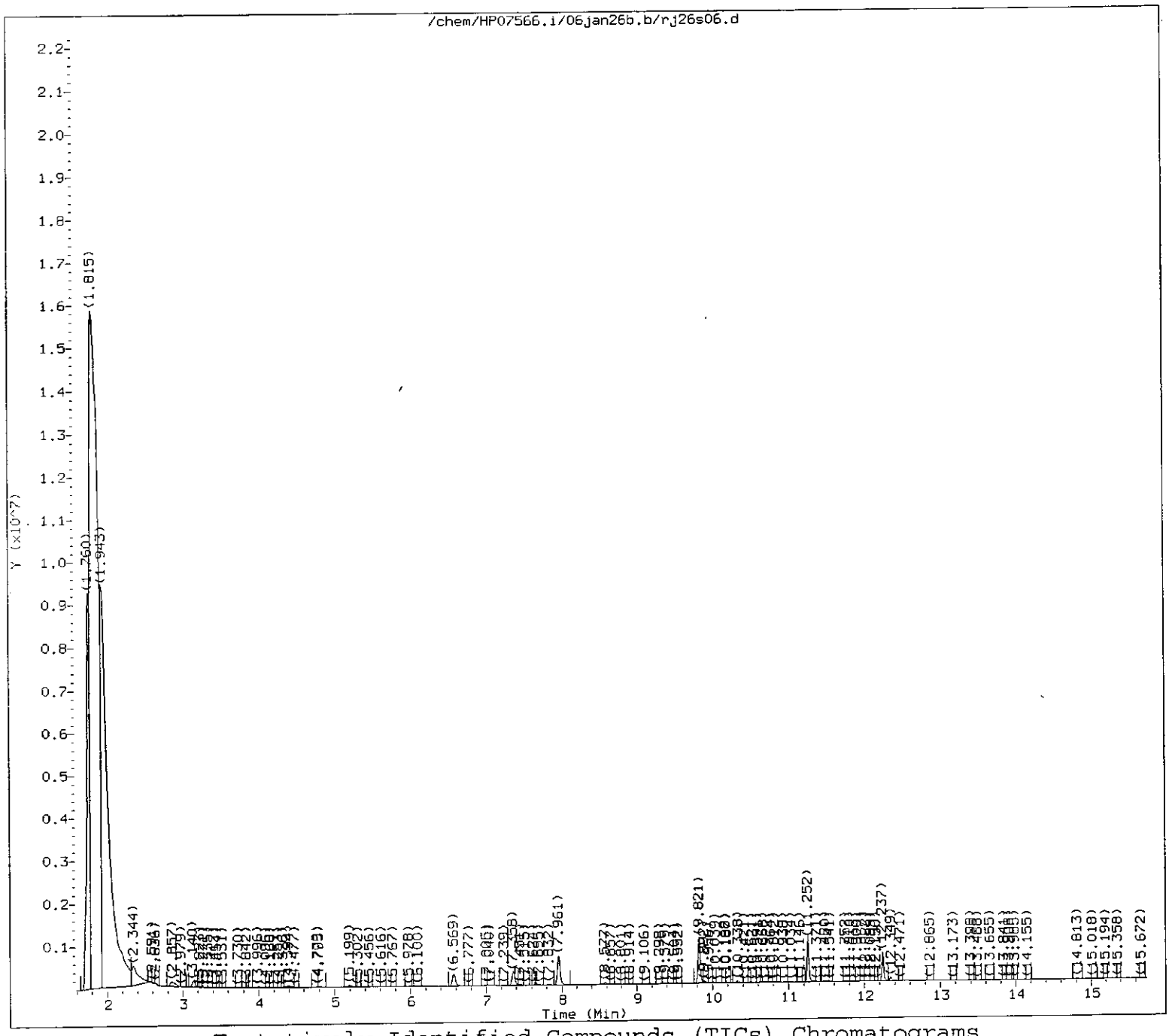
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 18:08
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024-

Lab Sample ID: 4692569

Compound Number	: 80
Compound Name	: Toluene
Scan Number	: 2588
Retention Time (minutes)	: 9.892
Quant Ion	: 91.0
Area (flag)	: 24058
Concentration (ug/Kg)	: 1.1573

8177



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

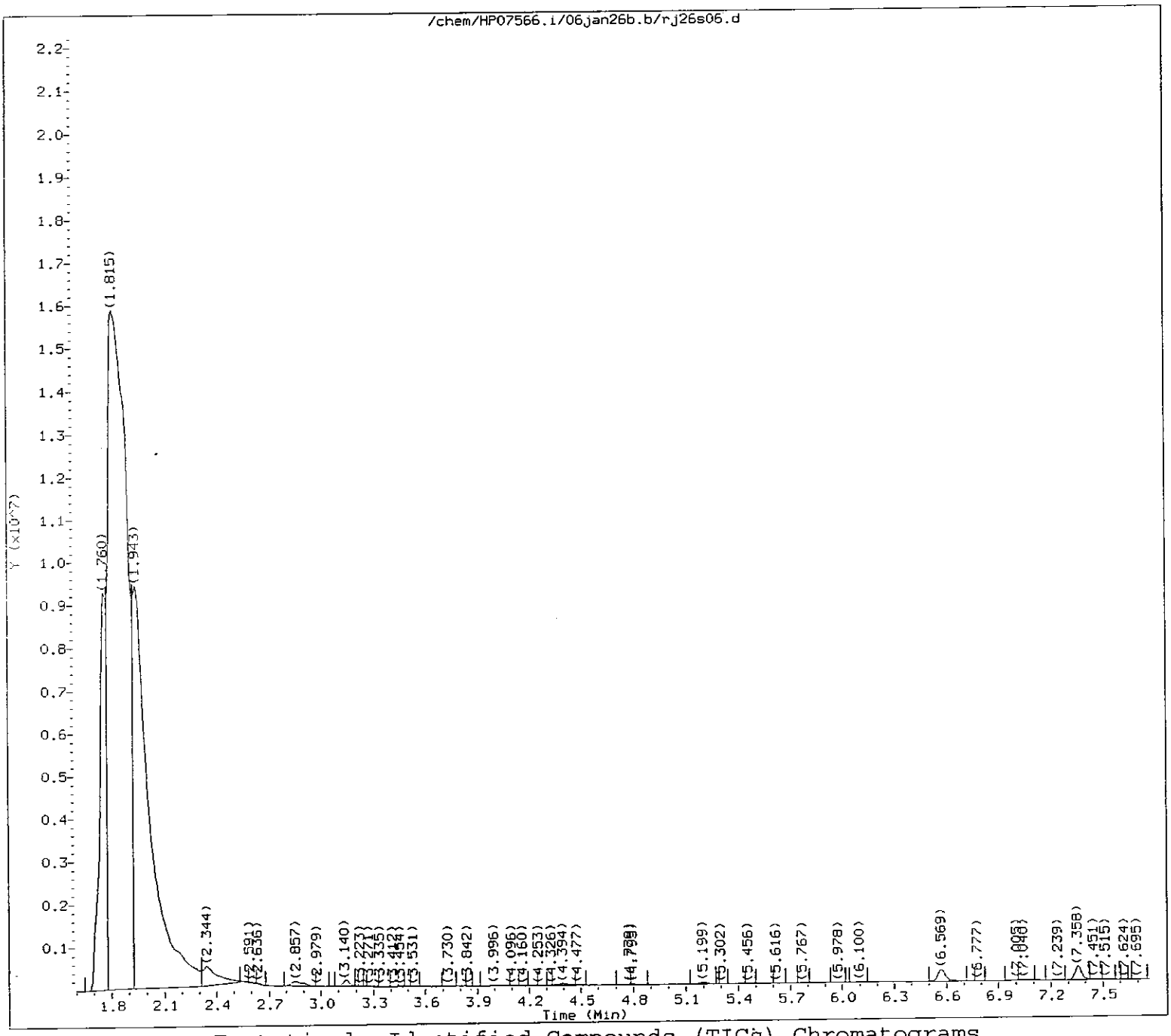
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Chromatogram Start Time (min.): 1.593
Chromatogram End Time (min.): 15.749

~~0170~~

1/26/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

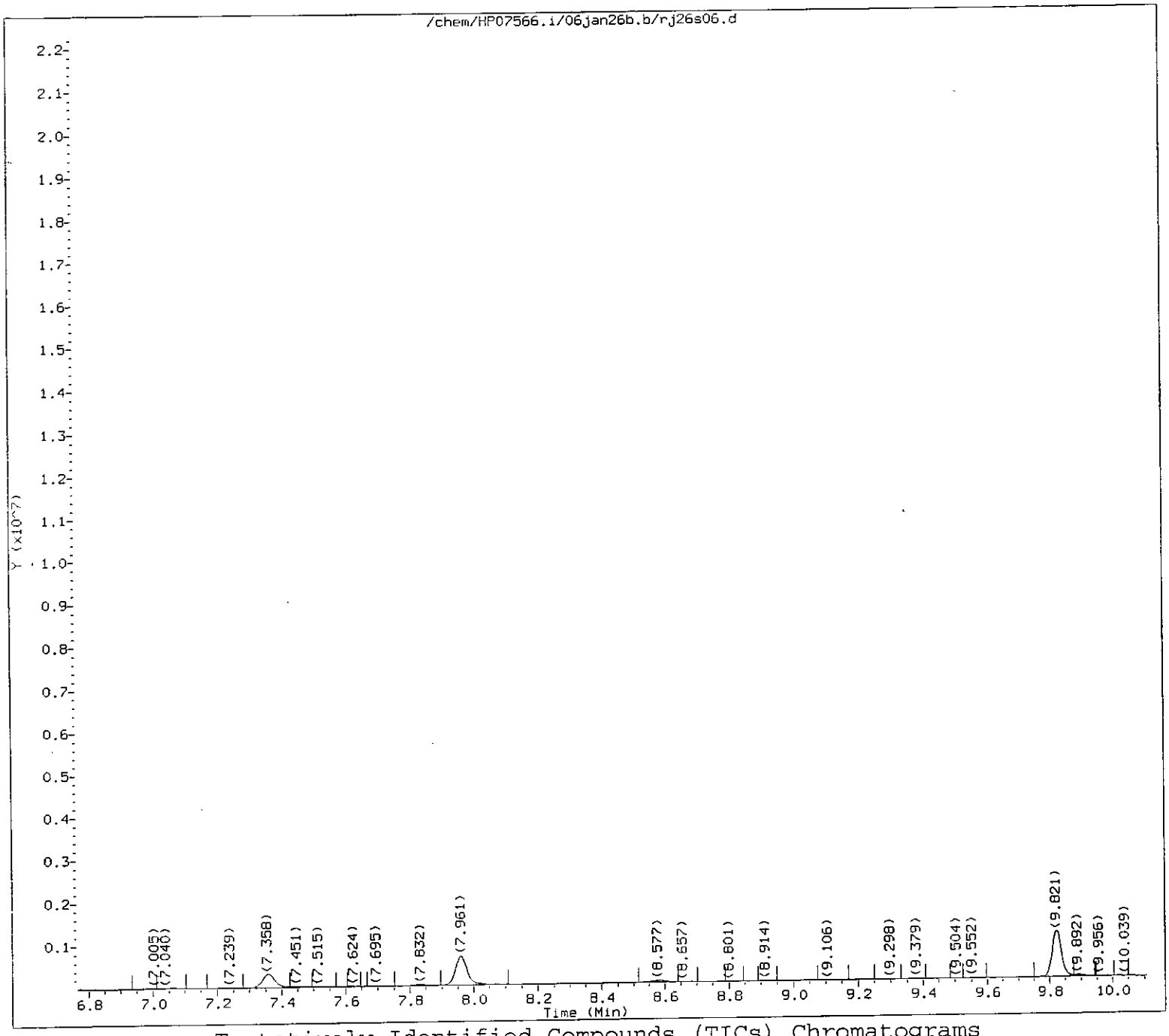
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Internal Standard referenced: Bromochloromethane at 6.569 minutes
Chromatogram Start Time (min.): 1.593
Chromatogram End Time (min.): 7.265

0179

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

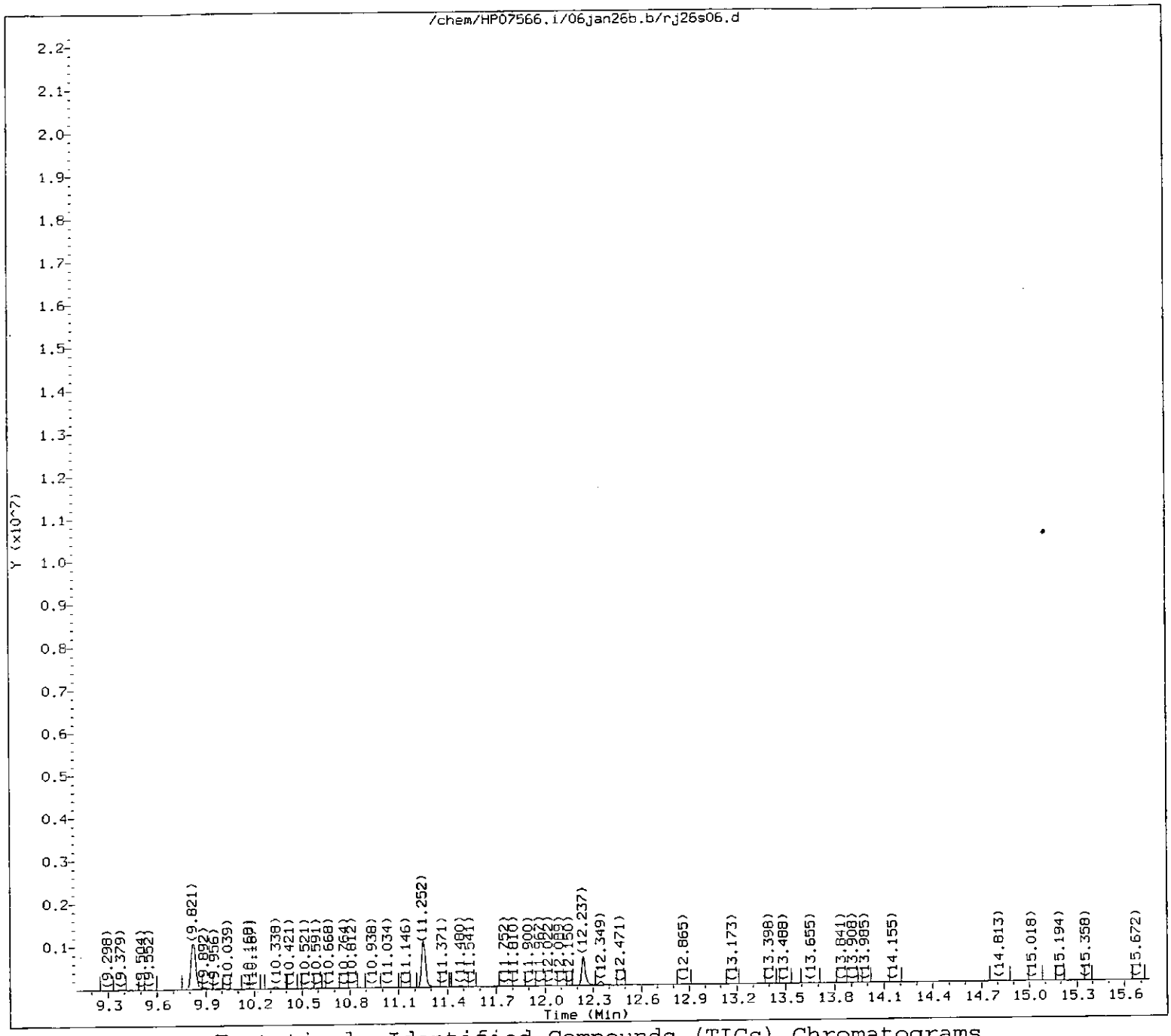
Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Internal Standard referenced: 1,4-Difluorobenzene at 7.961 minutes
Chromatogram Start Time (min.): 7.265
Chromatogram End Time (min.): 9.606

0188

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:21 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:16 sam00983

Sample Name: 6024- Lab Sample ID: 4692569

Internal Standard referenced: Chlorobenzene-d5 at 11.252 minutes
Chromatogram Start Time (min.): 9.606
Chromatogram End Time (min.): 15.749

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26s06.d
Lab Smp Id: 4692569 Client Smp ID: 6024-
Inj Date : 26-JAN-2006 21:21
Operator : JML01693 Inst ID: HP07566.i
Smp Info : 6024-;4692569;2;0;;
Misc Info : 7157.sub;R060261AA;5.94;;5;;rj26b01;193A;
Comment : Max. number of TICs to report is 31, 5 TICs were found initially.
Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m
Meth Date : 31-Jan-2006 08:01 sam00983 Quant Type: ISTD
Cal Date : 26-JAN-2006 16:59 Cal File: rj26c01.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7157.sub
Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Purge Volume
Ws	5.94000	Soil Weight

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Bromochloromethane	6.569	861756	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.344	2803707	162.673936	136.9309	0		0	43
Butane, 2-methyl-				CAS #: 78-78-4			
2.857	520577	30.2044248	25.42460	86	NIST98.1	109392	43
Pentane				CAS #: 109-66-0			
3.140	349208	20.2614096	17.05506	86	NIST98.1	109385	43

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Pentane, 2-methyl-					CAS #: 107-83-5		
4.394	182602	10.5947332	8.9181	78	NIST98.1	4652	43
Hexane					CAS #: 110-54-3		
5.199	149448	8.67110567	7.2989	87	NIST98.1	16315	43(L)

QC Flag Legend

L - Operator selected an alternate library search match.

2/3/06

Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d

Date : 26-JAN-2006 21:21

Client ID: 6024-

Instrument: HP07566.i

Sample Info: 6024-;4692569;2;0;;

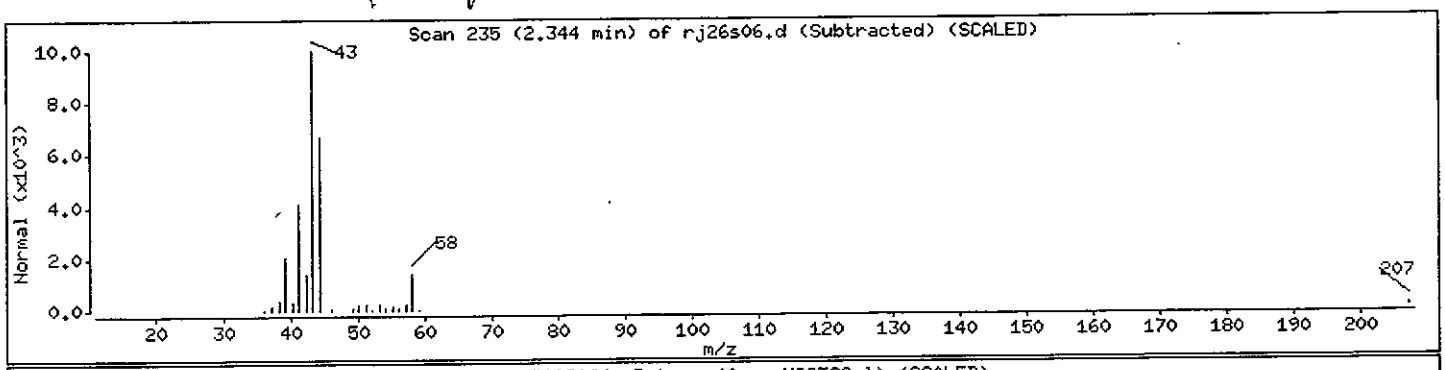
Operator: JHL01693

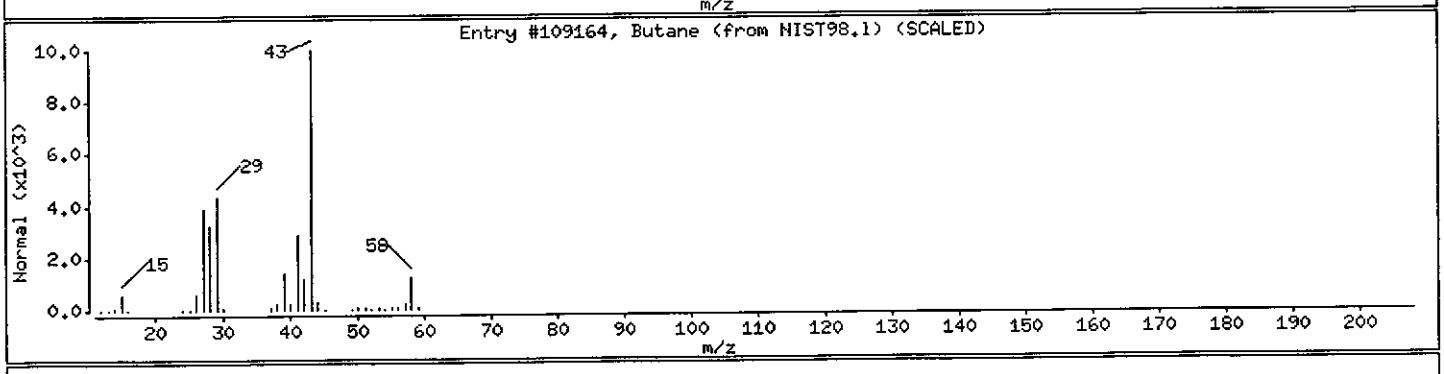
Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane	106-97-8	NIST98.1	109164	32	C4H10	58





Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d

Date : 26-JAN-2006 21:21

Client ID: 6024-

Instrument: HP07566.i

Sample Info: 6024-;4692569;2;0;;

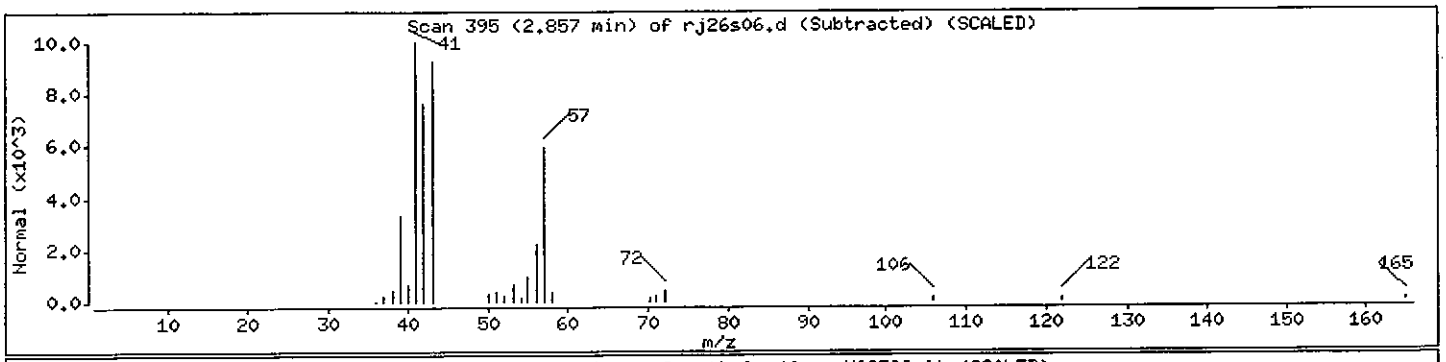
Operator: JHL01693

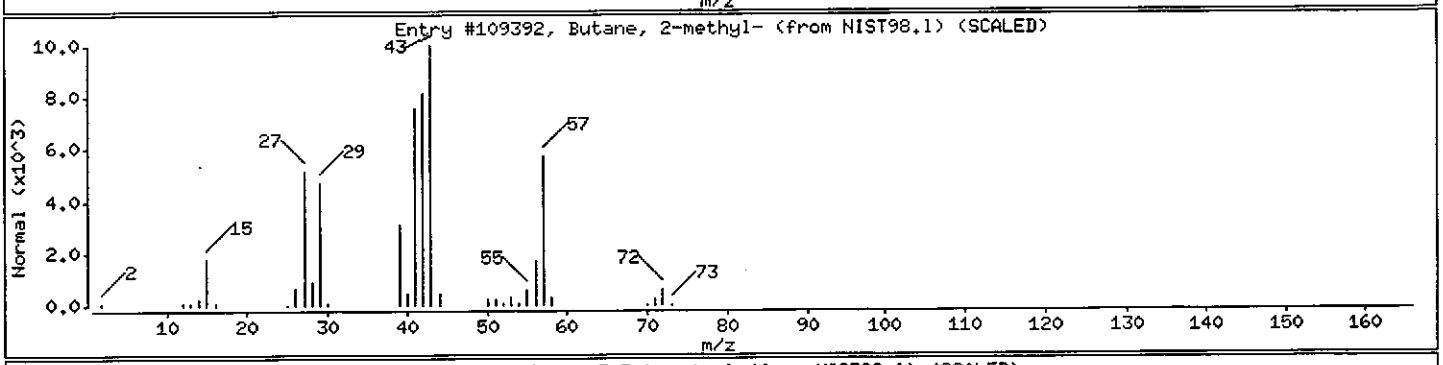
Column phase: DB-624

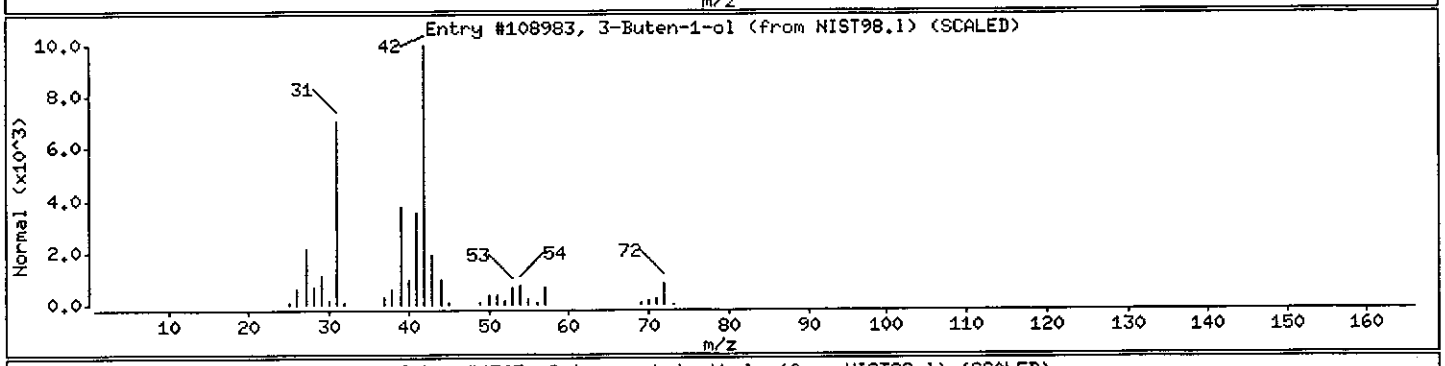
Column diameter: 0.25

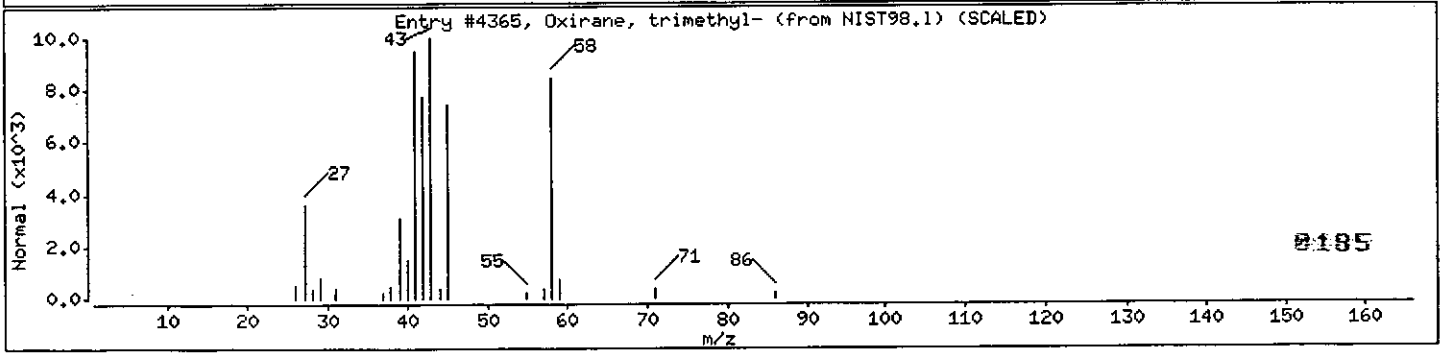
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NIST98.1	109392	86	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	108983	38	C4H8O	72
Oxirane, trimethyl-	5076-19-7	NIST98.1	4365	36	C5H10O	86









Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d

Date : 26-JAN-2006 21:21

Client ID: 6024-

Instrument: HP07566.i

Sample Info: 6024-;4692569;2;0;;

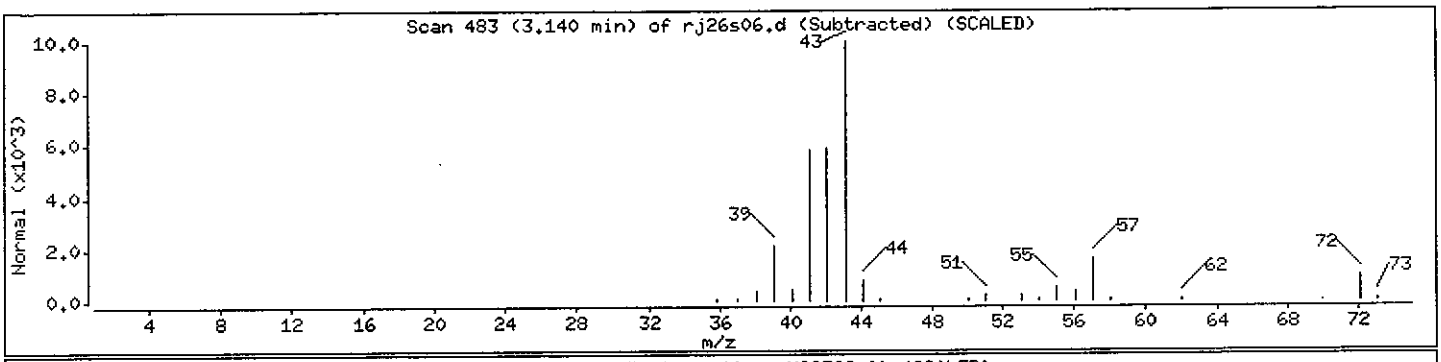
Operator: JML01693

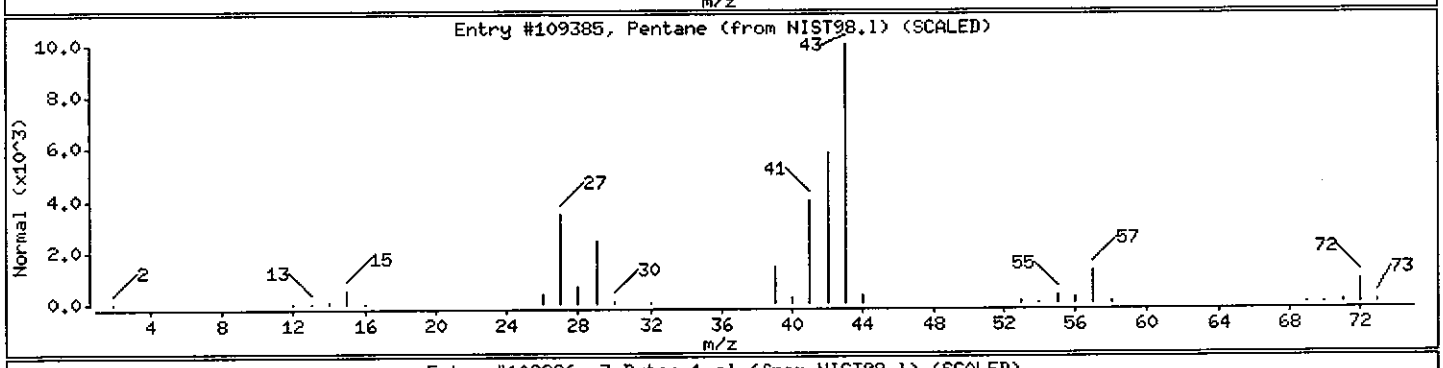
Column phase: DB-624

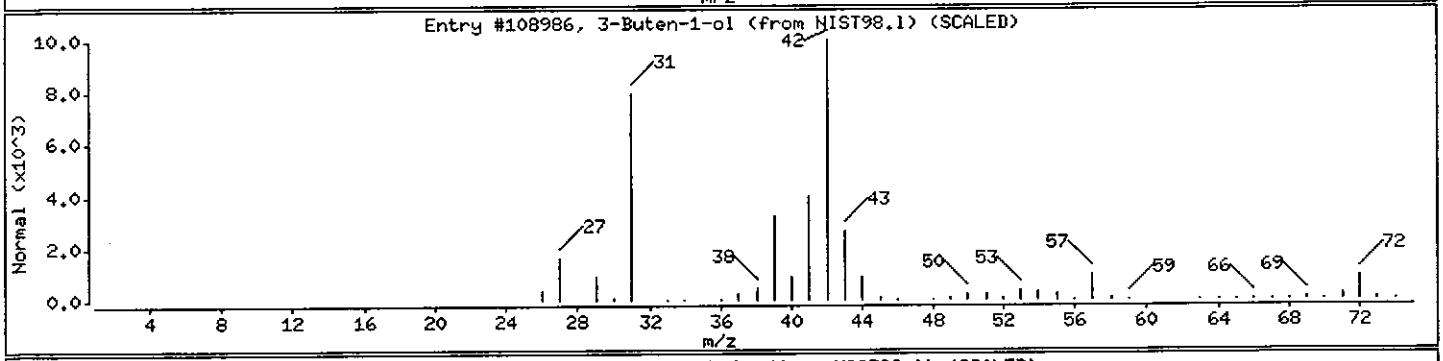
Column diameter: 0.25

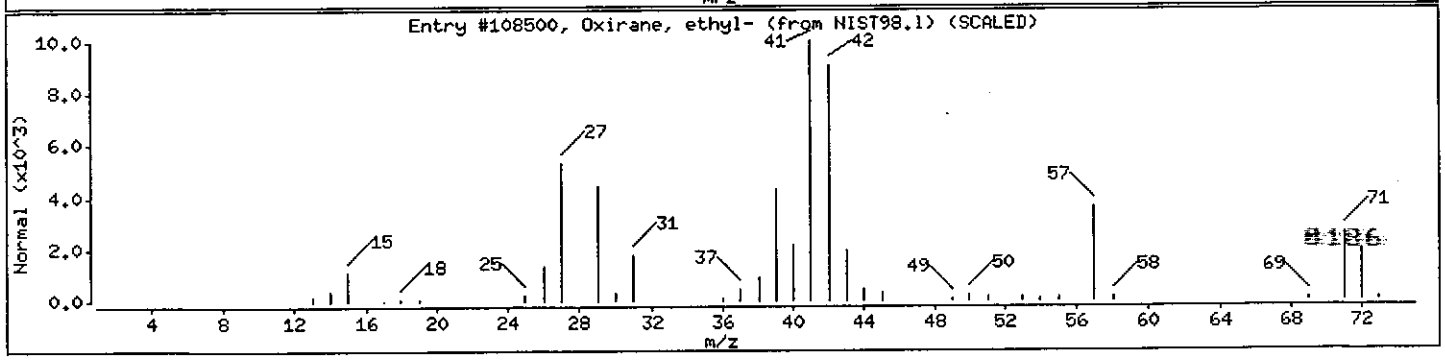
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NIST98.1	109385	86	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	108986	33	C4H8O	72
Oxirane, ethyl-	106-88-7	NIST98.1	108500	23	C4H8O	72









Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d

Date : 26-JAN-2006 21:21

Client ID: 6024-

Instrument: HP07566.i

Sample Info: 6024-;4692569;2;0;;

Operator: JML01693

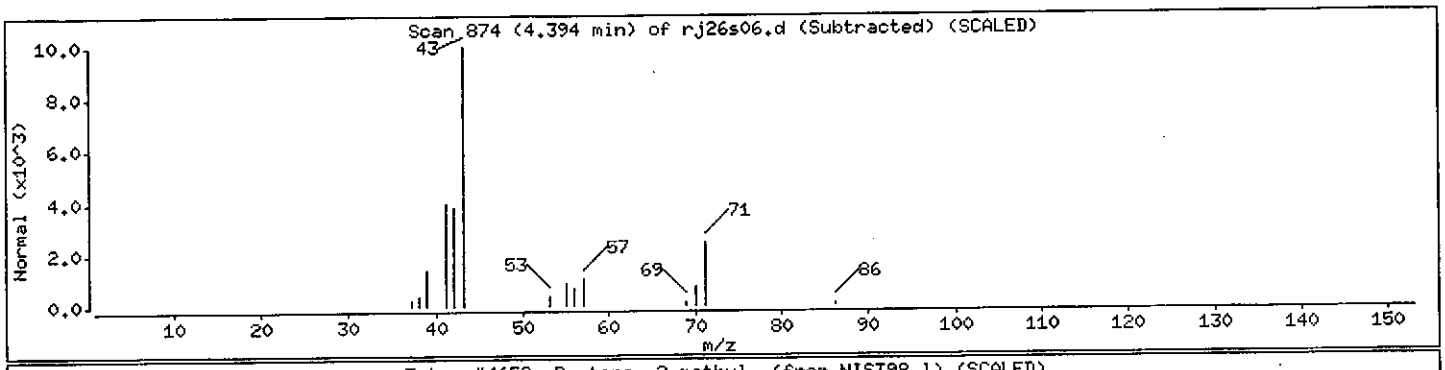
Column phase: DB-624

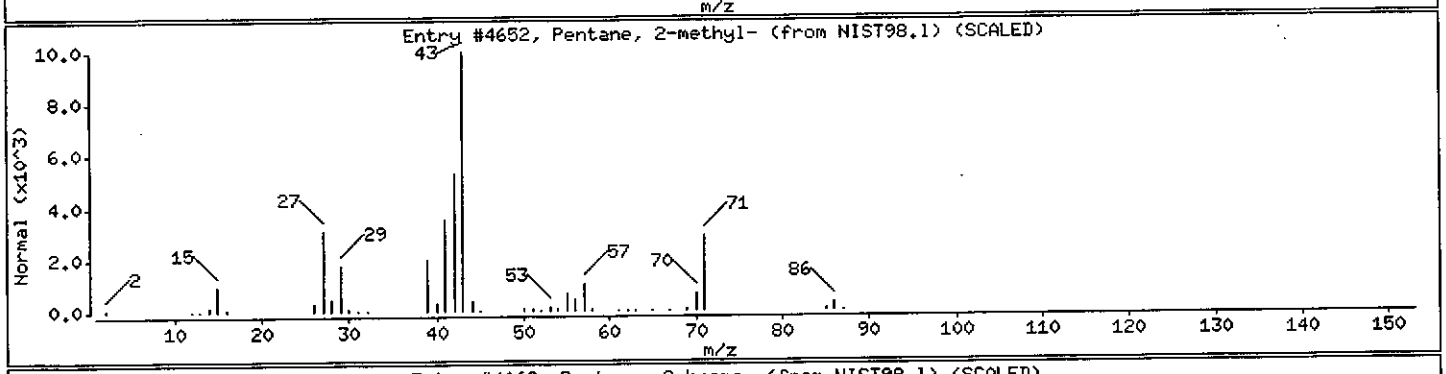
Column diameter: 0.25

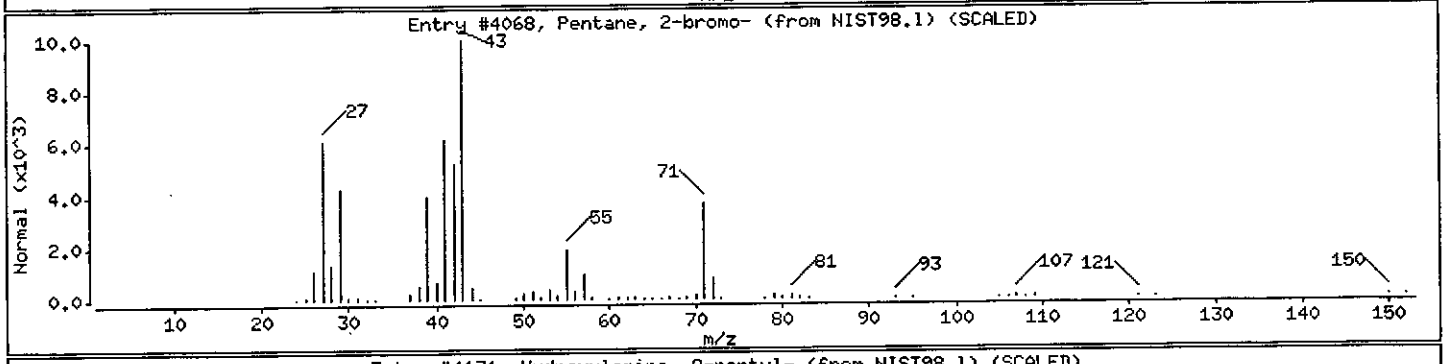
Review Code:

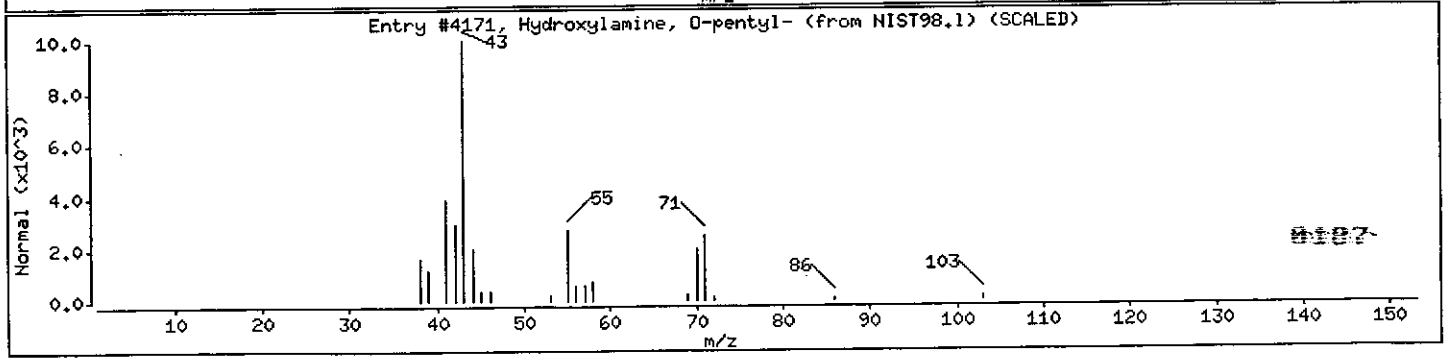
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2-methyl-	107-83-5	NIST98.1	4652	78	C6H14	86
Pentane, 2-bromo-	107-81-3	NIST98.1	4068	56	C5H11Br	150
Hydroxylamine, O-pentyl-	5963-74-6	NIST98.1	4171	40	C5H13NO	103









Data File: /chem/HP07566.i/06jan26b.b/rj26s06.d

Date : 26-JAN-2006 21:21

Client ID: 6024-

Sample Info: 6024-;4692569;2;0;;

Instrument: HP07566.i

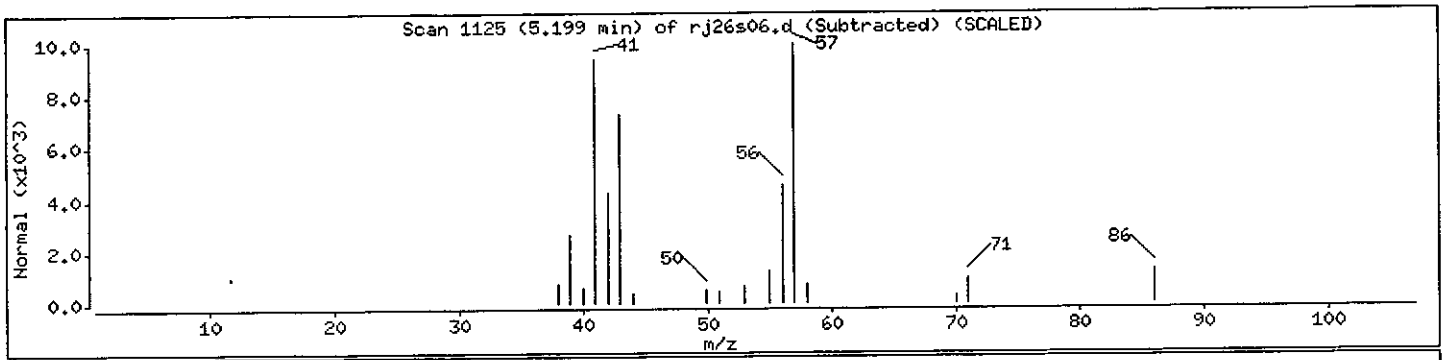
Operator: JML01693

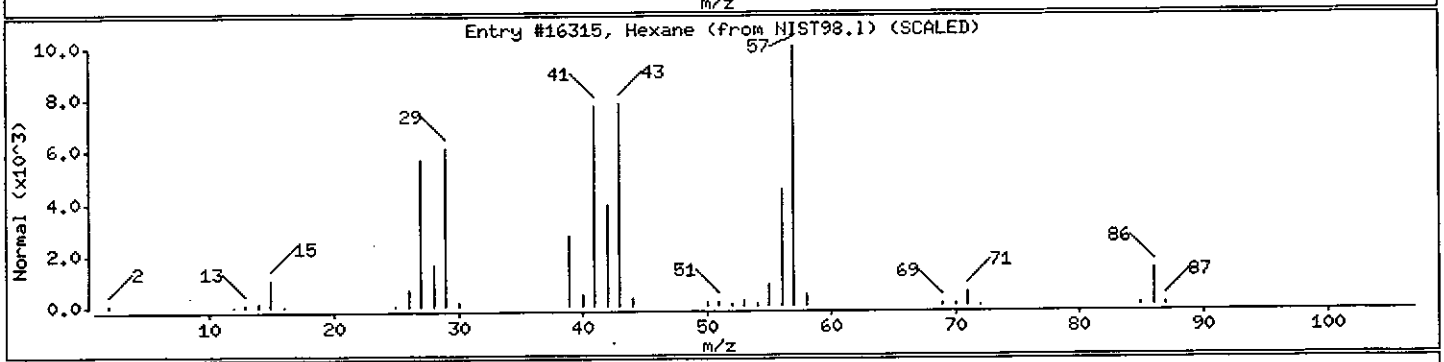
Column phase: DB-624

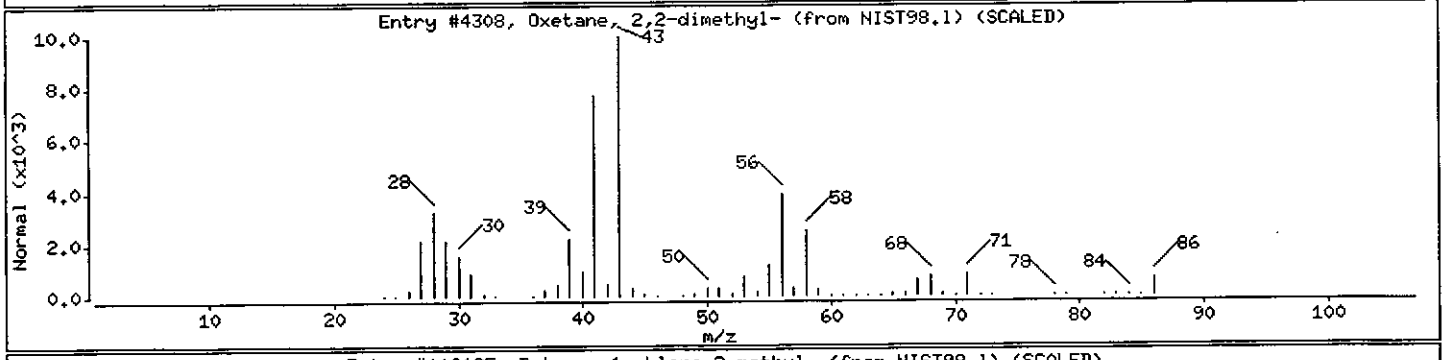
Column diameter: 0.25

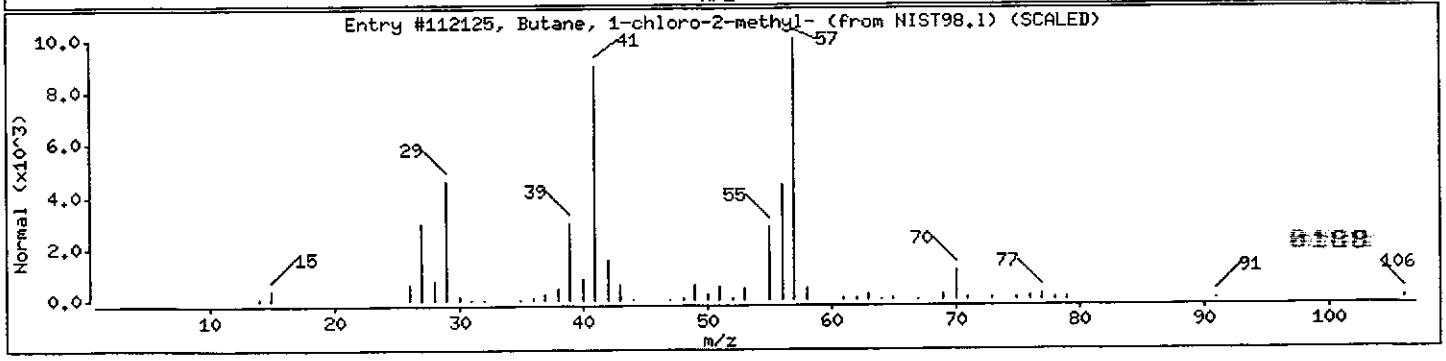
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NIST98.1	16315	87	C6H14	86
Oxetane, 2,2-dimethyl-	6245-99-4	NIST98.1	4308	43	C5H10O	86
Butane, 1-chloro-2-methyl-	616-13-7	NIST98.1	112125	38	C5H11Cl	106









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 5.36 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s07.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	3	U
75-09-2	Methylene Chloride	2	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (Total)	1	J

#189

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 5.36 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s07.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U

0198

FORM I VOA OLM03.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6028-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692570

Sample wt/vol: 5.36 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s07.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.34	370	J
2. 78-78-4	Butane, 2-methyl-	2.84	55	NJ
3. 109-66-0	Pentane	3.14	50	NJ
4. 75-18-3	Dimethyl sulfide	3.82	11	NJ
5. 107-83-5	Pentane, 2-methyl-	4.40	27	NJ
6.	Unknown	4.78	11	J
7.	Unknown	5.20	20	J
8.	Unknown	6.12	10	J
9. 110-82-7	Cyclohexane	7.04	19	NJ
10. 108-87-2	Cyclohexane, methyl-	8.57	11	NJ
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

OLM03.0

6028-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692570

File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Sample: 6028-;4692570;2;0;;
Injected At:26-JAN-2006 21:48
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.93
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.3600 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.569(0.004)	1552	128	97243(-24)	50.00	
58) 1,4-Difluorobenzene	7.961(-0.003)	1986	114	618684(-25)	50.00	
91) Chlorobenzene-d5	11.252(0.001)	3012	117	517559(-32)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.358(-0.001)	65	347939	53.916	108%		70 - 121
78) Toluene-d8	(3)	9.825(0.000)	98	742225	54.183	108%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.240(0.000)	95	219123	39.508	79%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.87	9.33
3) Vinyl Chloride	(1)				ND	ND			1.87	9.33
5) Bromomethane	(1)				ND	ND			2.80	9.33
6) Chloroethane	(1)				ND	ND			2.80	9.33
10) 1,1-Dichloroethene	(1)				ND	ND			1.87	9.33
16) Acetone	(1)	3.707(0.001)	43	34556	15.279	14.25			6.53	9.33
18) Carbon Disulfide	(1)				ND	ND			2.80	9.33
22) Methylene Chloride	(1)				ND	ND			1.87	9.33
26) trans-1,2-Dichloroethene	(1)				ND	ND			1.87	9.33
31) 1,1-Dichloroethane	(1)				ND	ND			0.93	9.33
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.87	9.33
40) 2-Butanone	(1)				ND	ND			6.53	9.33
45) Chloroform	(1)				ND	ND			0.93	9.33
46) 1,1,1-Trichloroethane	(2)				ND	ND			0.93	9.33
49) Carbon Tetrachloride	(2)				ND	ND			0.93	9.33
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.87	9.33
52) Benzene	(2)	7.448(0.001)	78	26450	1.308	1.22		J	0.93	9.33
53) 1,2-Dichloroethane	(1)				ND	ND			1.87	9.33
61) Trichloroethene	(2)				ND	ND			0.93	9.33
66) 1,2-Dichloropropane	(2)				ND	ND			2.80	9.33
71) Bromodichloromethane	(2)				ND	ND			1.87	9.33
75) cis-1,3-Dichloropropene	(2)				ND	ND			0.93	9.33
76) 4-Methyl-2-Pentanone	(3)				ND	ND			2.80	9.33
80) Toluene	(3)	9.895(0.000)	91	42115	2.164	2.02		J	0.93	9.33

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

0192

6028-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692570

File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Sample: 6028-;4692570;2;0;;
Injected At:26-JAN-2006 21:48
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.93
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.3600 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			0.93	9.33
83) 1,1,2-Trichloroethane	(2)					ND	ND			1.87	9.33
85) Tetrachloroethene	(3)					ND	ND			0.93	9.33
87) 2-Hexanone	(3)					ND	ND			2.80	9.33
88) Dibromochloromethane	(2)					ND	ND			0.93	9.33
92) Chlorobenzene	(3)					ND	ND			0.93	9.33
94) Ethylbenzene	(3)					ND	ND			0.93	9.33
95) m+p-Xylene	(3)	11.473	(0.000)	106	8884	1.078	1.01		J	0.93	9.33
96) Xylene (Total)	(3)			106	8884	1.092	1.02		J	0.93	9.33
97) o-Xylene	(3)					ND	ND			0.93	9.33
98) Styrene	(3)					ND	ND			0.93	9.33
99) Bromoform	(2)					ND	ND			0.93	9.33
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			0.93	9.33

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: SB 9369

Analyst: [signature] Date: 1/31/06

Auditor: [signature] Date: 2/2/06

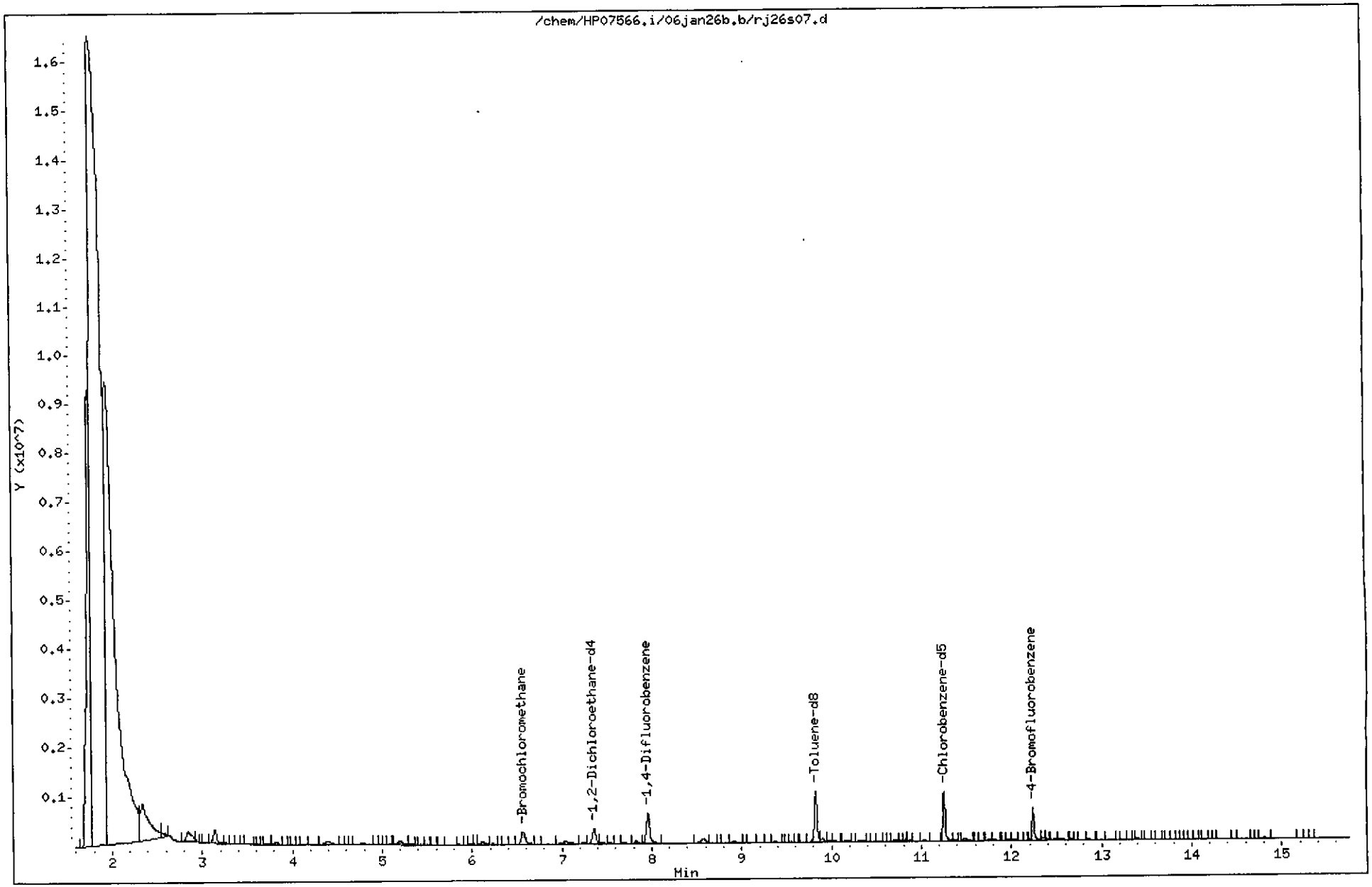
8193

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Date : 26-JAN-2006 21:48
Client ID: 6028-
Sample Info: 6028-;4692570;2;0;;

Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

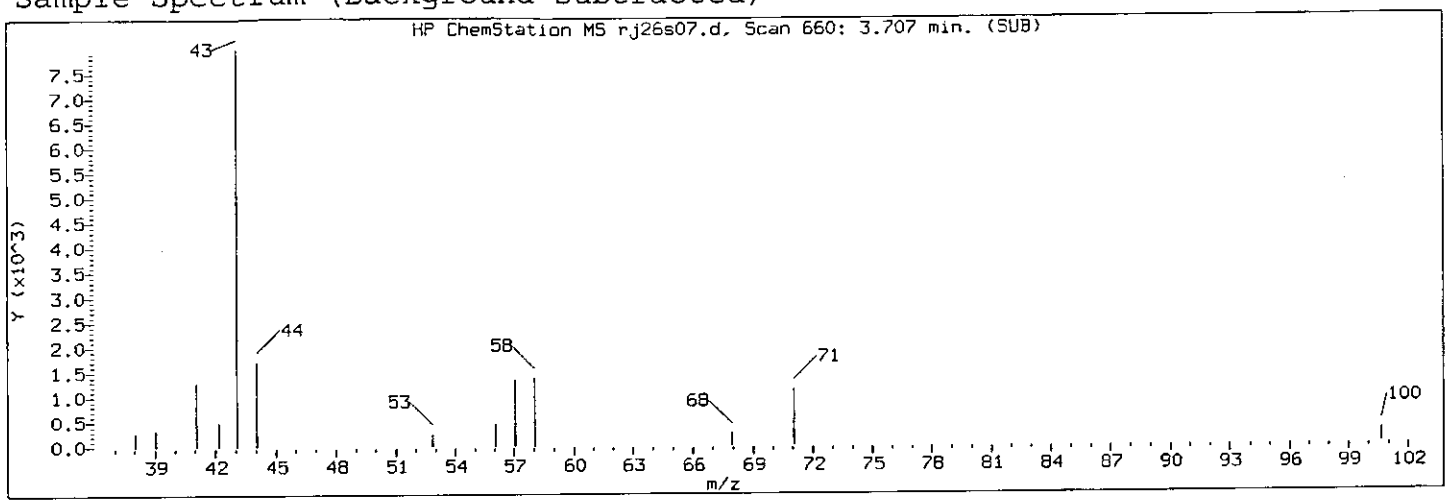
Sample Name: 6028- Lab Sample ID: 4692570

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
16) Acetone	(1)	3.707	43	34556M	15.279
43)*Bromochloromethane	(1)	6.569	128	97243	50.000
52) Benzene	(2)	7.448	78	26450	1.308
58)*1,4-Difluorobenzene	(2)	7.961	114	618684	50.000
80) Toluene	(3)	9.895	91	42115	2.164
91)*Chlorobenzene-d5	(3)	11.252	117	517559	50.000
95) m+p-Xylene	(3)	11.473	106	8884	1.078
96) Xylene (Total)	(3)		106	8884	1.092
50)$1,2-Dichloroethane-d4	(1)	7.358	65	347939	53.916
78)$Toluene-d8	(3)	9.825	98	742225	54.183
103)$4-Bromofluorobenzene	(3)	12.240	95	219123	39.508

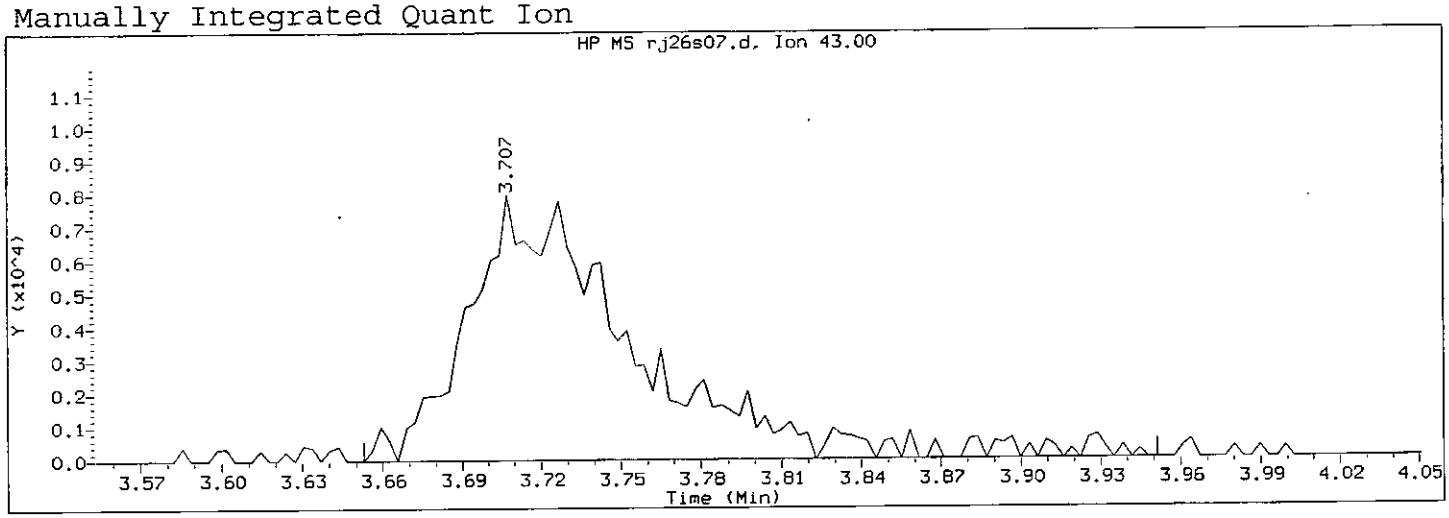
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 21:56
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028- Lab Sample ID: 4692570

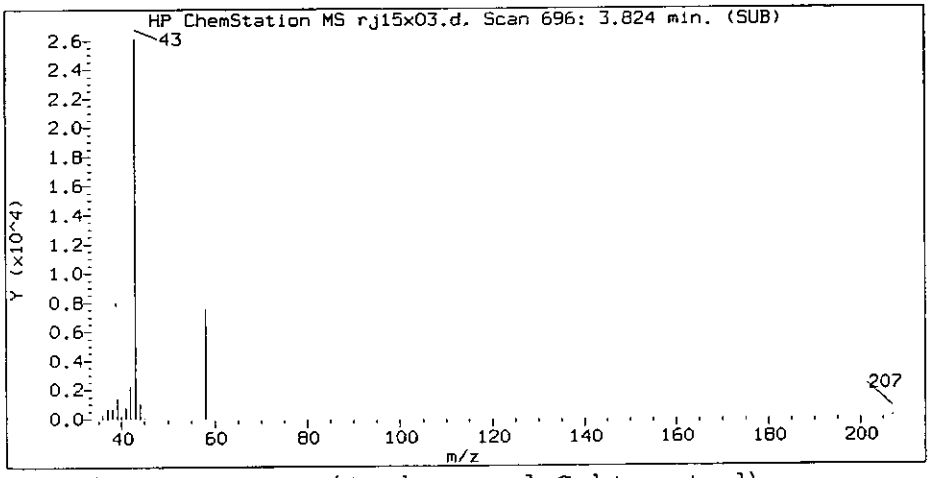
Compound Number : 16
Compound Name : Acetone
Scan Number : 660
Retention Time (minutes): 3.707
Quant Ion : 43
Area (flag) : 34556 M
Concentration (ug/Kg) : 15.2787
Integration start scan : 642 Integration stop scan: 735
Y at integration start : 0 Y at integration end: 0

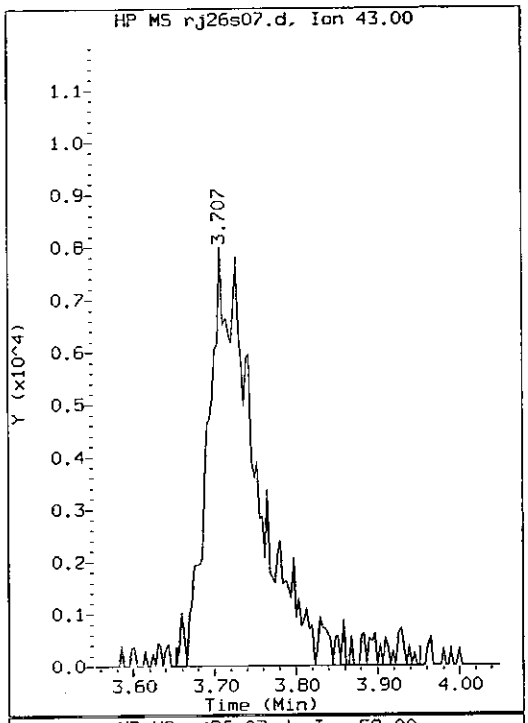
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: JML 1/31/06

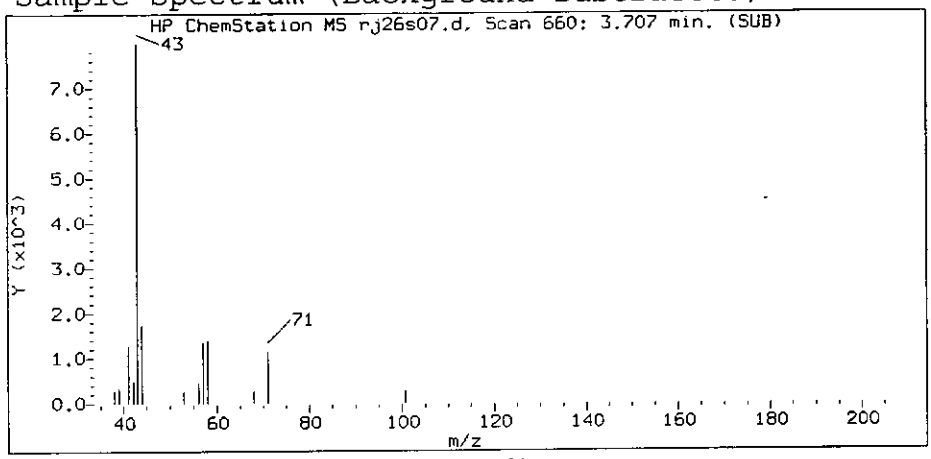
GC/MS audit/management approval: 2/2/06

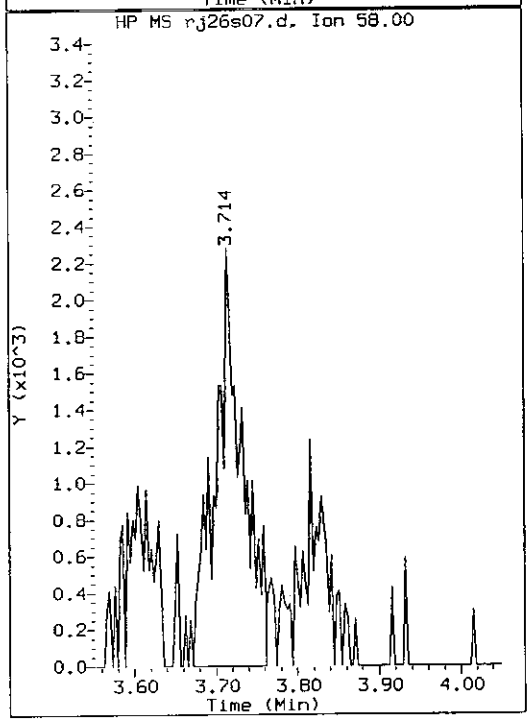
Reference Standard Spectrum for Acetone



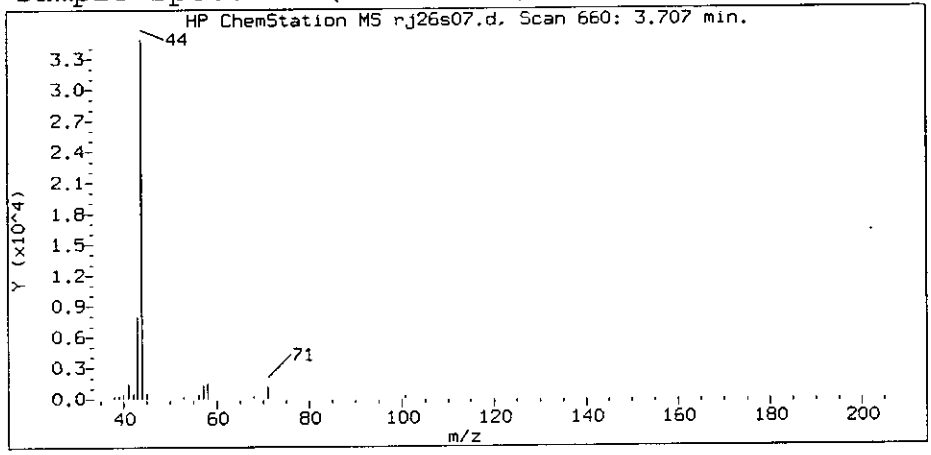


Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)



Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Injection date and time: 26-JAN-2006 21:48

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 21:56
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

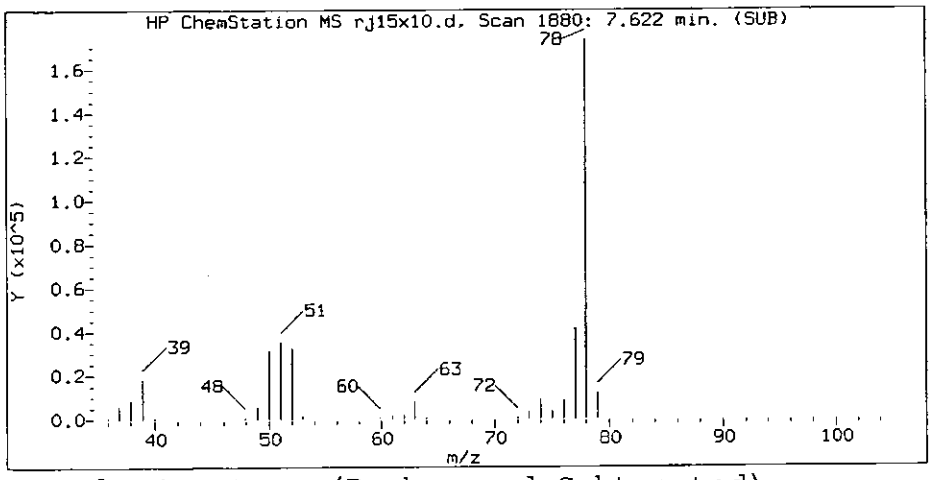
Sample Name: 6028-

Lab Sample ID: 4692570

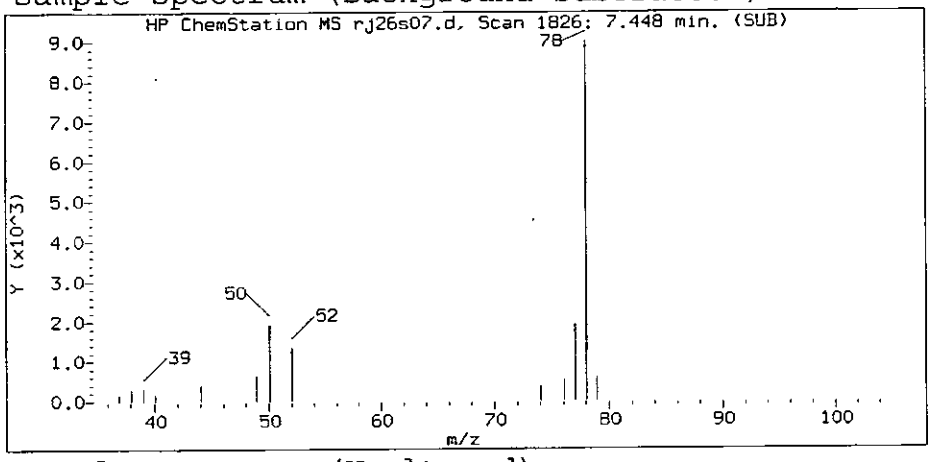
Compound Number	: 16
Compound Name	: Acetone
Scan Number	: 660
Retention Time (minutes)	: 3.707
Quant Ion	: 43.0
Area (flag)	: 34556 M
Concentration (ug/Kg)	: 15.2787

0197

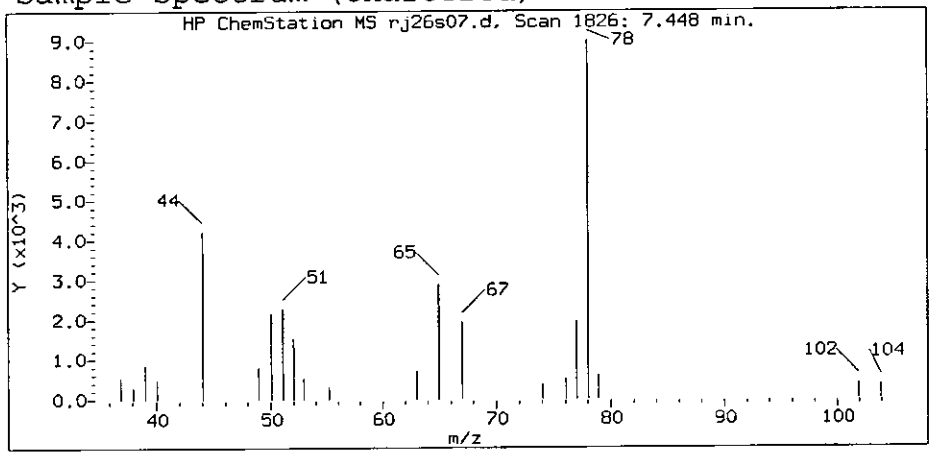
Reference Standard Spectrum for Benzene

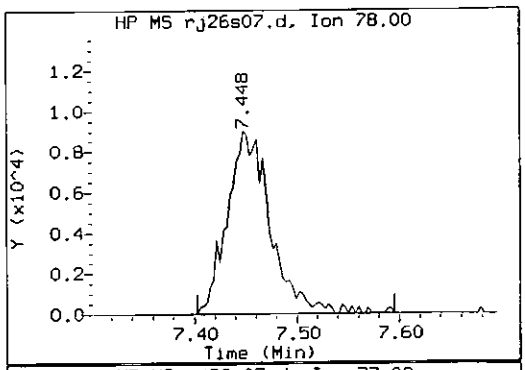


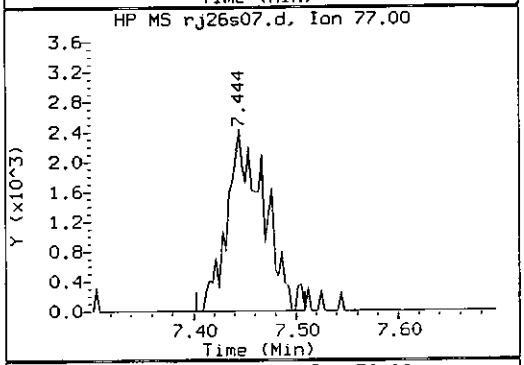
Sample Spectrum (Background Subtracted)

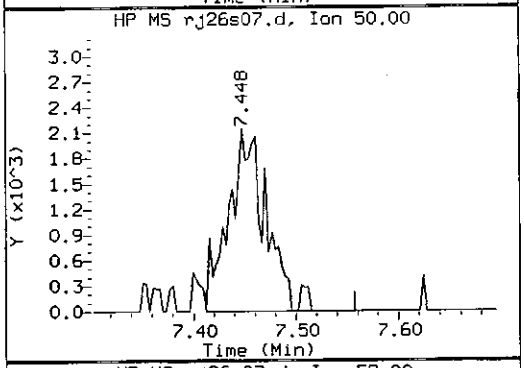


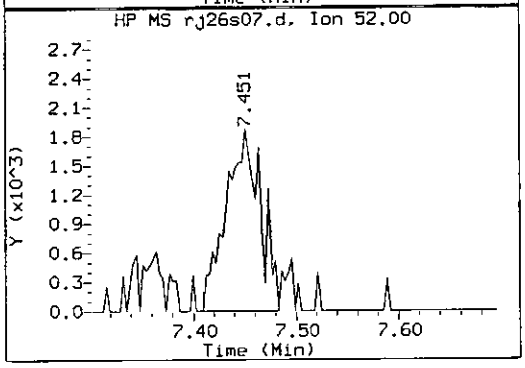
Sample Spectrum (Unaltered)











Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Injection date and time: 26-JAN-2006 21:48

Instrument ID: HP07566.i
Analyst ID: JML01693

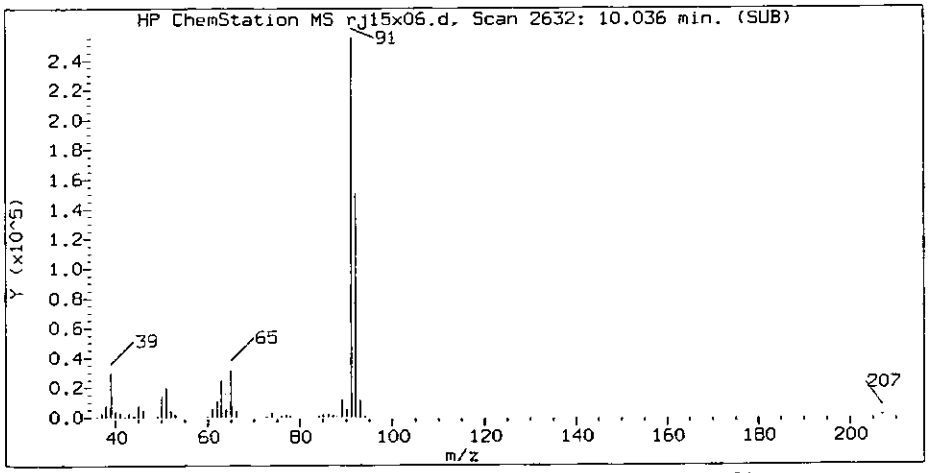
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 21:56
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028-

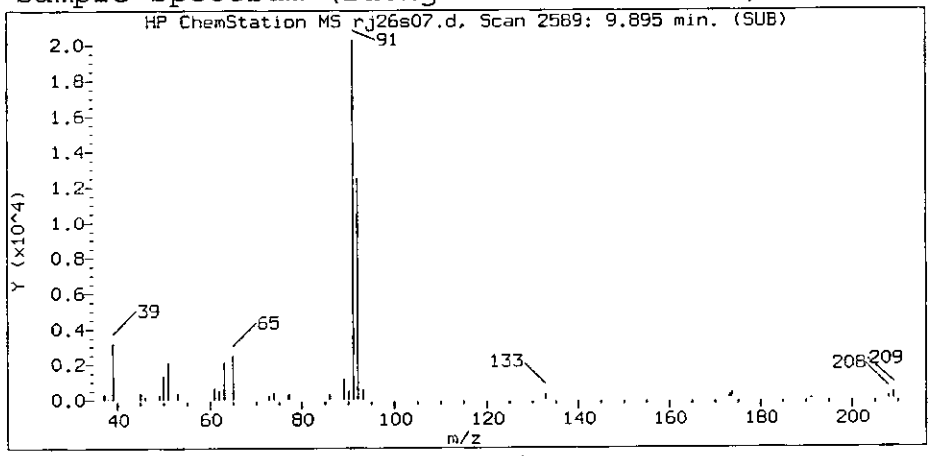
Lab Sample ID: 4692570

Compound Number	: 52
Compound Name	: Benzene
Scan Number	: 1826
Retention Time (minutes)	: 7.448
Quant Ion	: 78.0
Area (flag)	: 26450
Concentration (ug/Kg)	: 1.3078

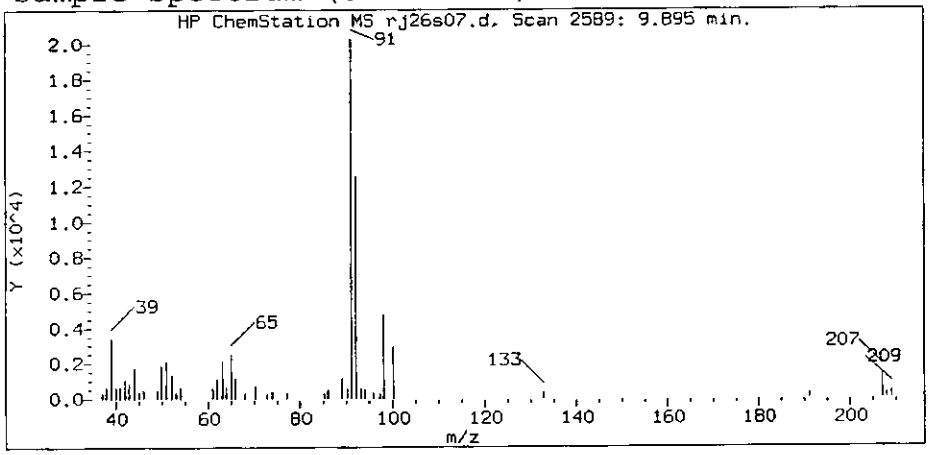
Reference Standard Spectrum for Toluene

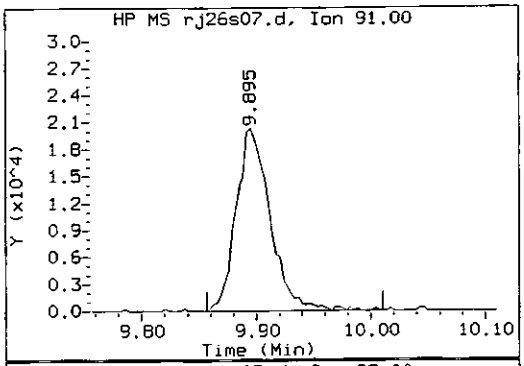


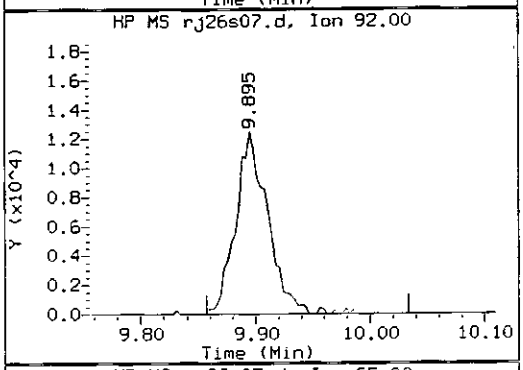
Sample Spectrum (Background Subtracted)

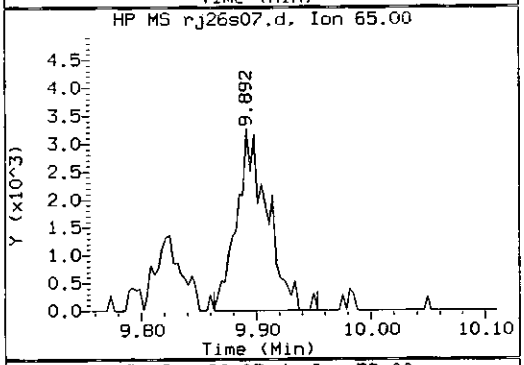


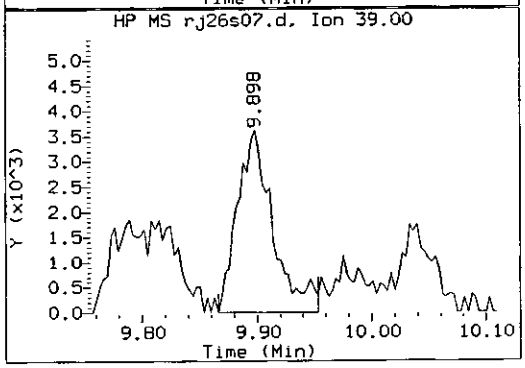
Sample Spectrum (Unaltered)











Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Injection date and time: 26-JAN-2006 21:48

Instrument ID: HP07566.i
Analyst ID: JML01693

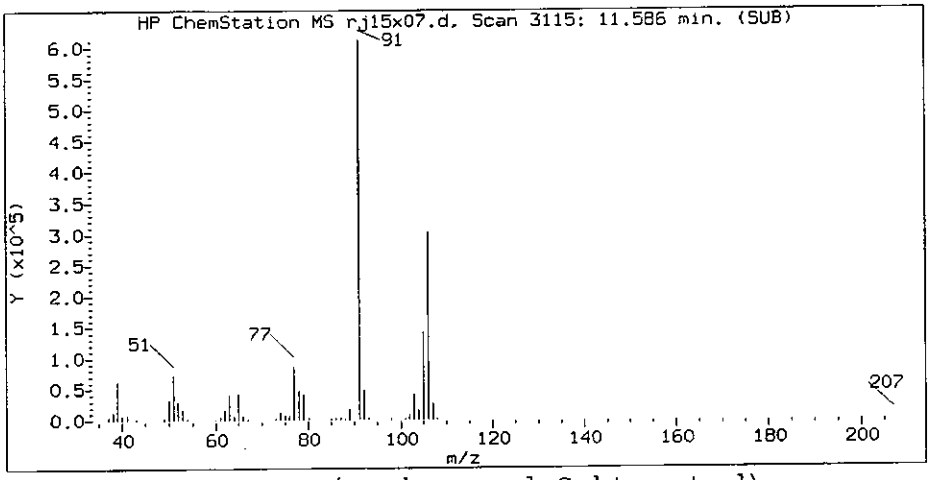
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 21:56
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028-

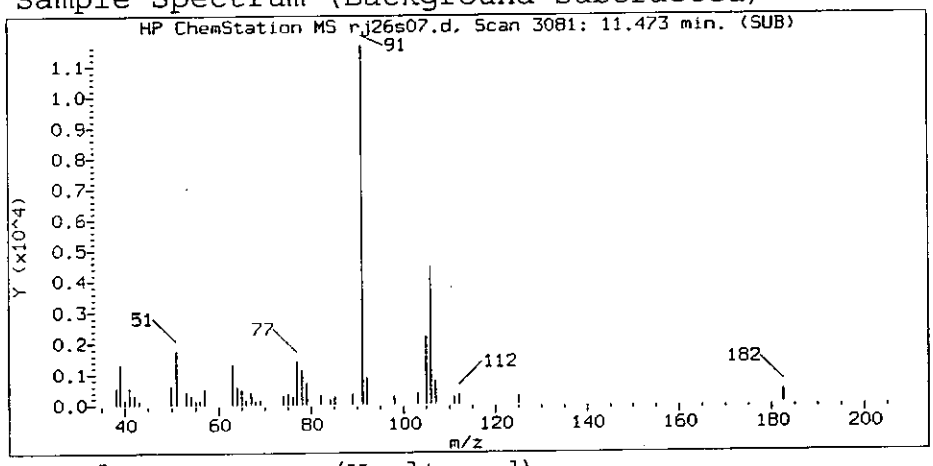
Lab Sample ID: 4692570

Compound Number	: 80
Compound Name	: Toluene
Scan Number	: 2589
Retention Time (minutes)	: 9.895
Quant Ion	: 91.0
Area (flag)	: 42115
Concentration (ug/Kg)	: 2.1642

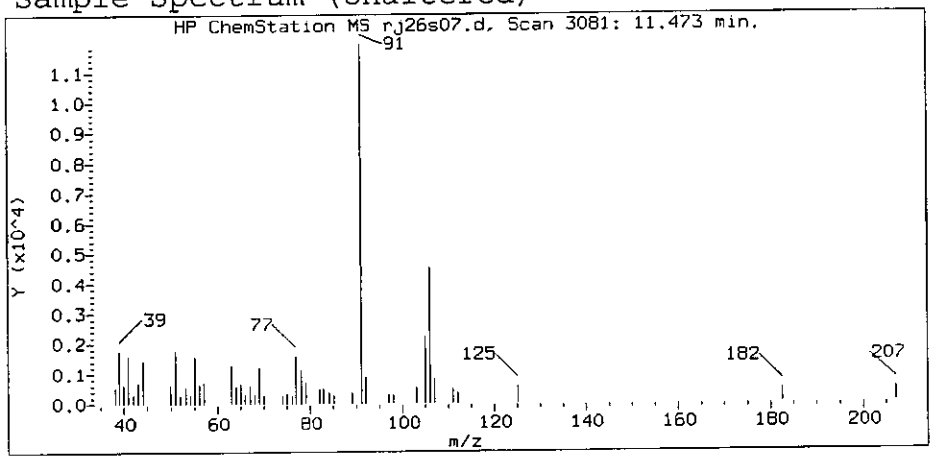
Reference Standard Spectrum for m+p-Xylene

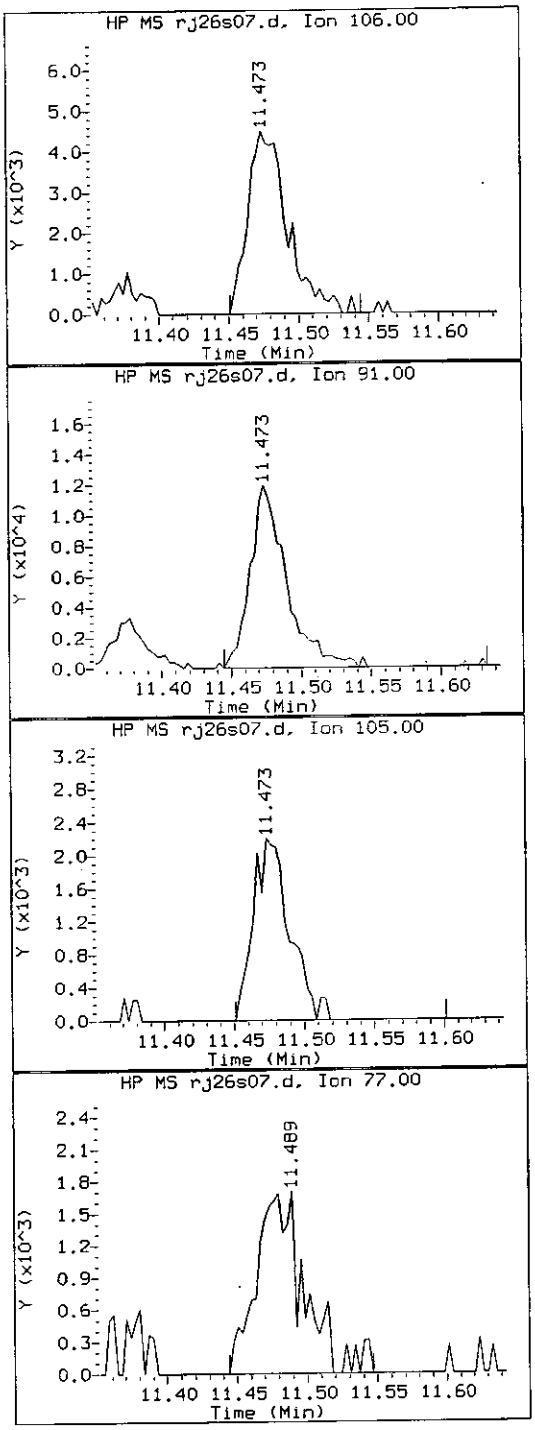


Sample Spectrum (Background Subtracted)



Sample Spectrum (Unaltered)





Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d
Injection date and time: 26-JAN-2006 21:48

Instrument ID: HP07566.i
Analyst ID: JML01693

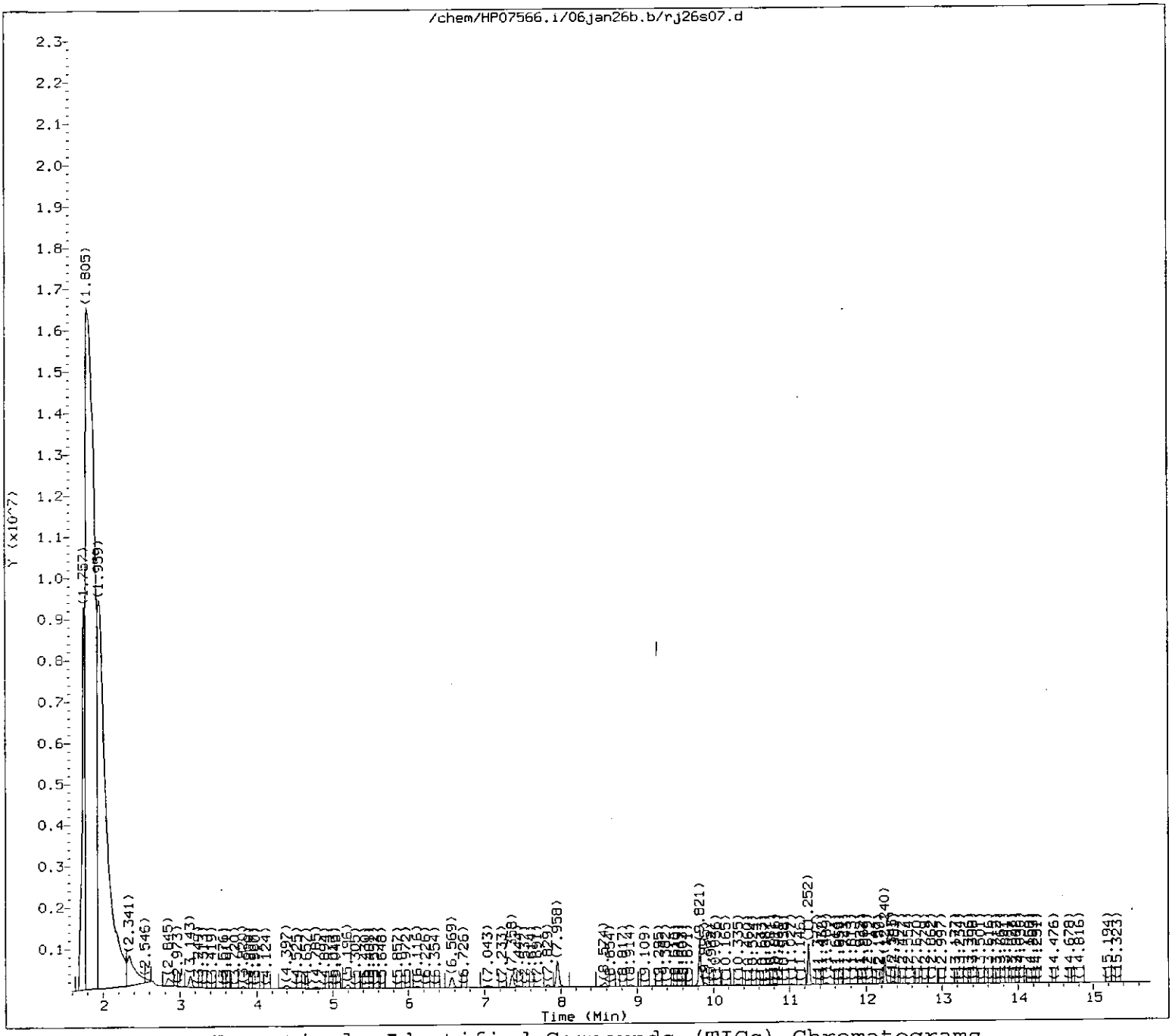
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 21:56
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028-

Lab Sample ID: 4692570

Compound Number	: 95
Compound Name	: m+p-Xylene
Scan Number	: 3081
Retention Time (minutes)	: 11.473
Quant Ion	: 106.0
Area (flag)	: 8884
Concentration (ug/Kg)	: 1.0778

0288



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

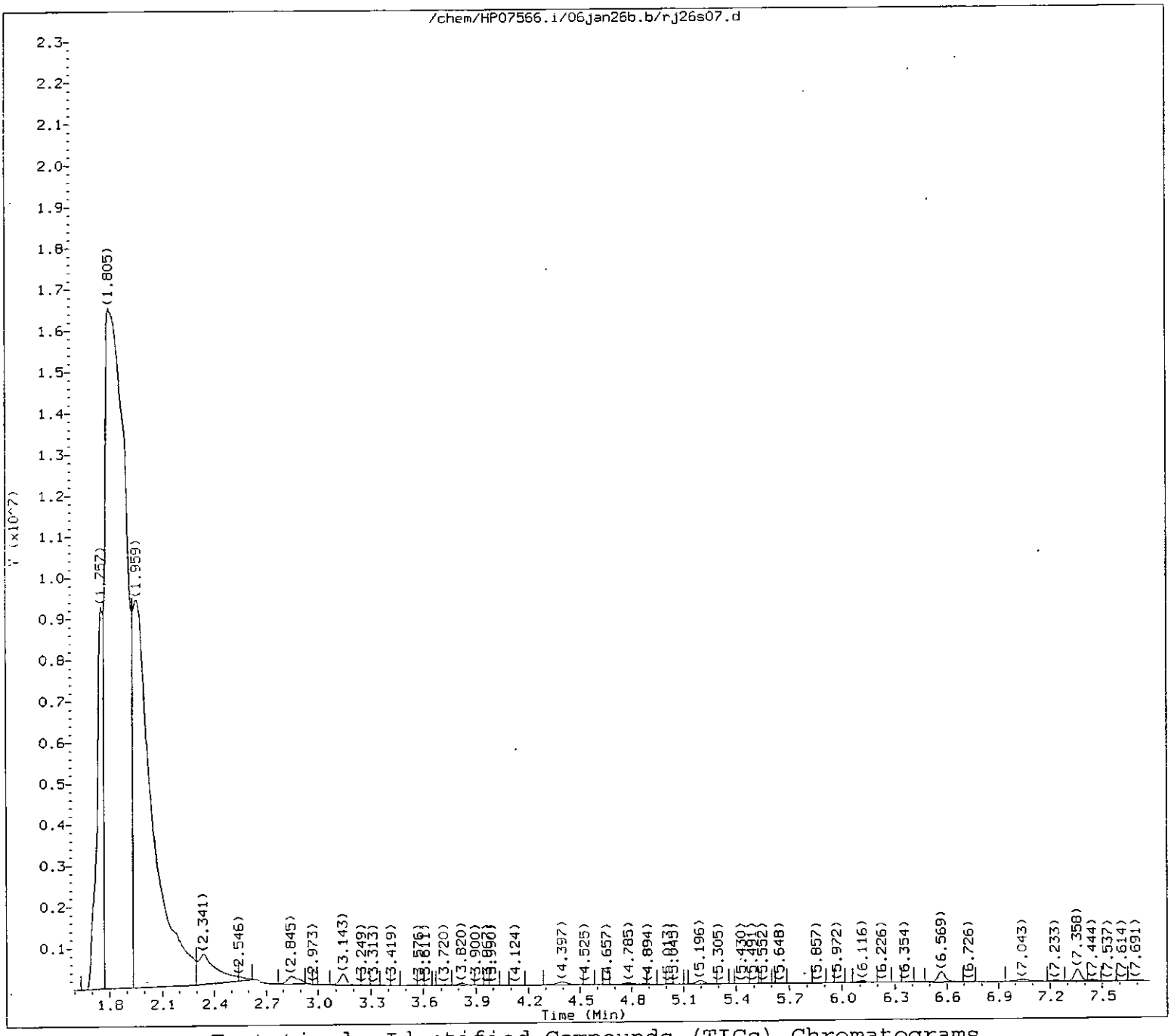
Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028- Lab Sample ID: 4692570

Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 15.749

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

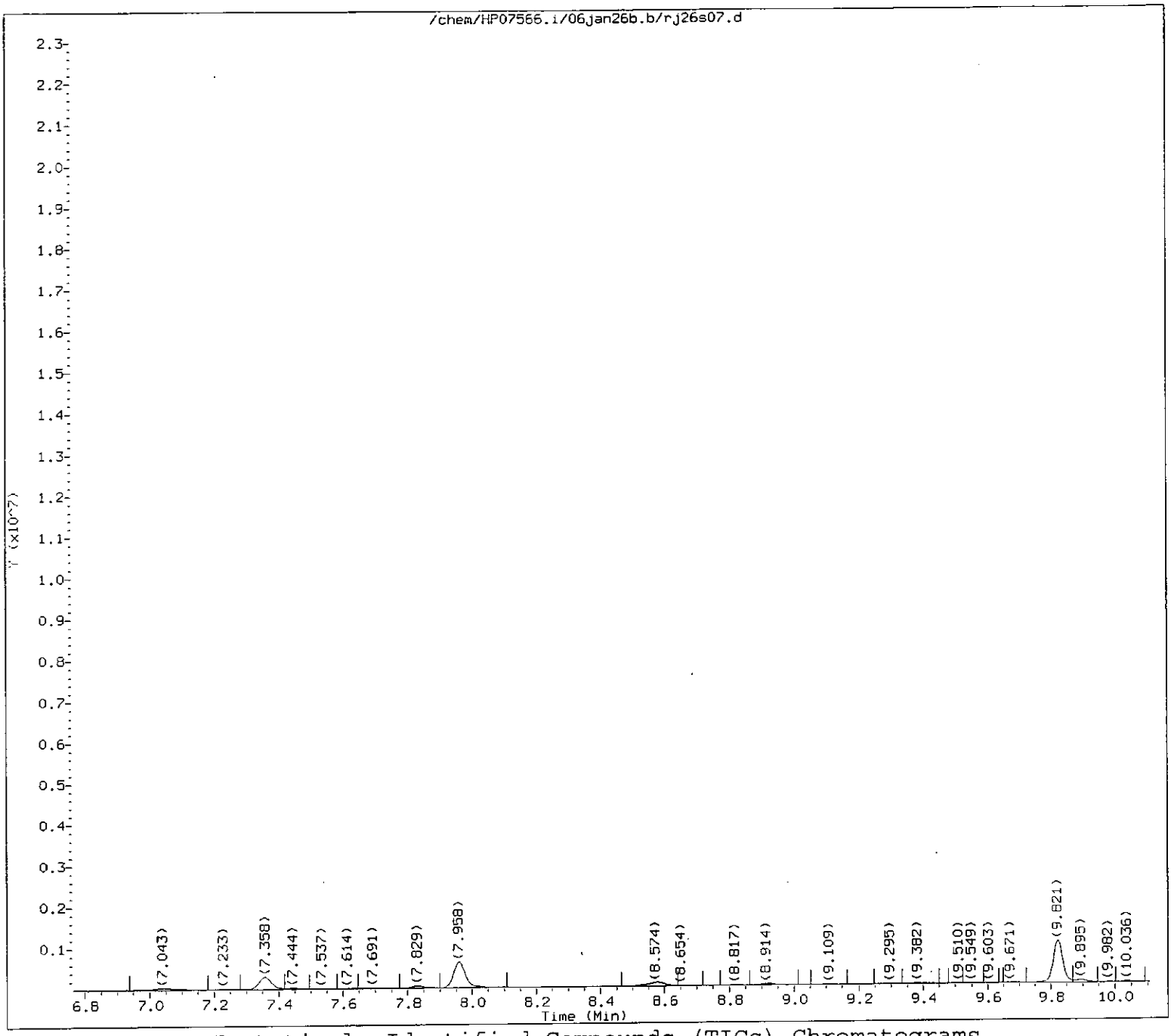
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028- Lab Sample ID: 4692570

Internal Standard referenced: Bromochloromethane at 6.569 minutes
Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 7.265

0282

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

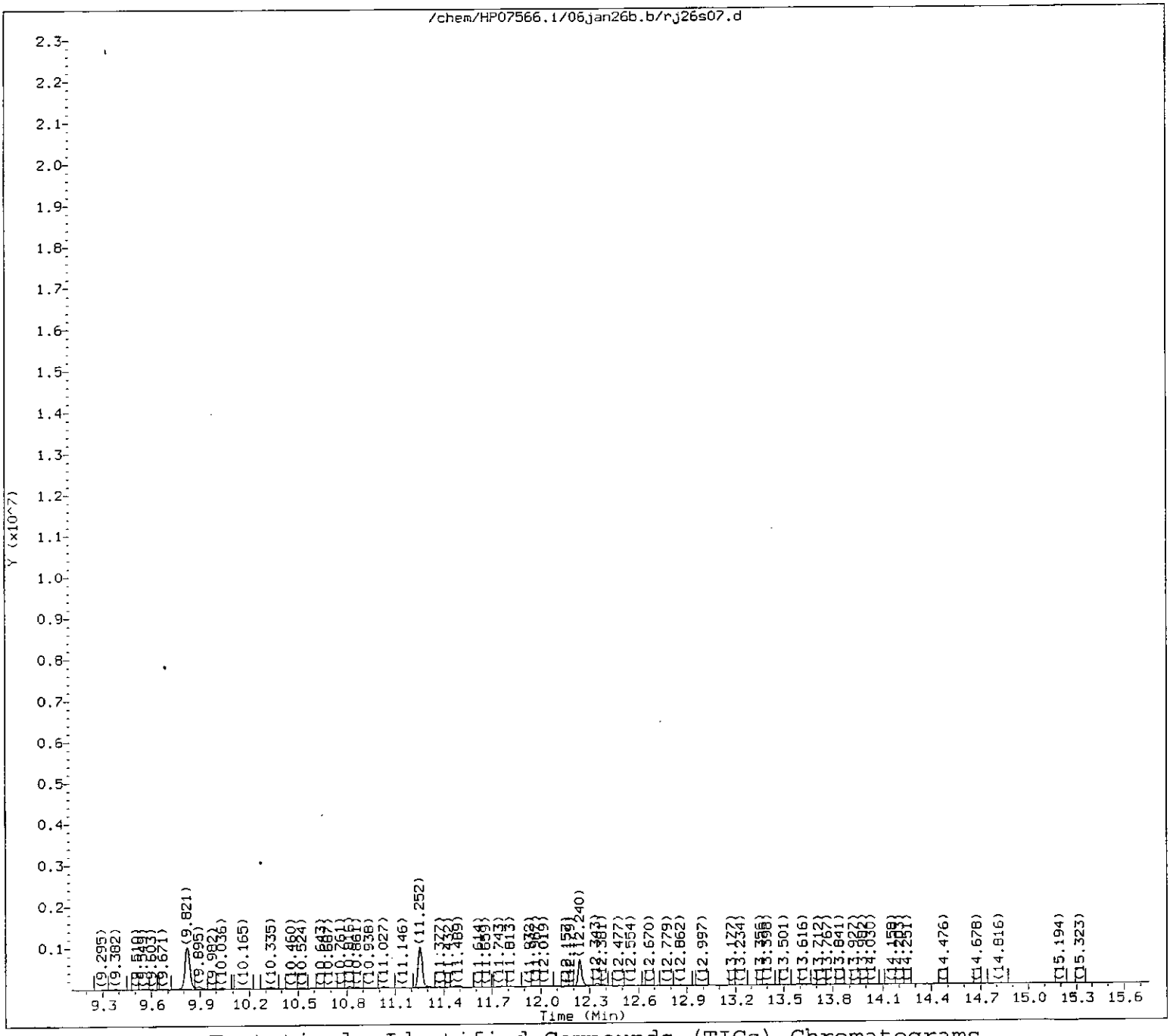
Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028- Lab Sample ID: 4692570

Internal Standard referenced: 1,4-Difluorobenzene at 7.961 minutes
Chromatogram Start Time (min.): 7.265
Chromatogram End Time (min.): 9.606

0203

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 21:48 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:35 sam00983

Sample Name: 6028- Lab Sample ID: 4692570

Internal Standard referenced: Chlorobenzene-d5 at 11.252 minutes
Chromatogram Start Time (min.): 9.606
Chromatogram End Time (min.): 15.749

0284

1/31/06

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26s07.d
Lab Smp Id: 4692570 Client Smp ID: 6028-
Inj Date : 26-JAN-2006 21:48
Operator : JML01693 Inst ID: HP07566.i
Smp Info : 6028-;4692570;2;0;;
Misc Info : 7157.sub;R060261AA;5.36;;5;;rj26b01;193A;
Comment : Max. number of TICs to report is 31, 10 TICs were found initially.
Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m
Meth Date : 31-Jan-2006 08:01 sam00983 Quant Type: ISTD
Cal Date : 26-JAN-2006 16:59 Cal File: rj26c01.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7157.sub
Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Purge Volume
Ws	5.36000	Soil Weight

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Bromochloromethane	6.569	794894	50.000
* 58 1,4-Difluorobenzene	7.961	1635095	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.341	5484581	344.987792	321.8170	0		0	43
Butane, 2-methyl-				CAS #: 78-78-4			
2.845	817256	51.4065560	47.95388	80	NIST98.1	109392	43

2/3/06

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Pentane				CAS #: 109-66-0			
3.143	735829	46.2846654	43.17599	90	NIST98.1	4653	43
Dimethyl sulfide				CAS #: 75-18-3			
3.820	169889	10.6862709	9.9685	94	NIST98.1	111017	43
Pentane, 2-methyl-				CAS #: 107-83-5			
4.397	401981	25.2851596	23.58690	83	NIST98.1	4652	43
Unknown				CAS #:			
4.785	158916	9.99601494	9.3246	0		0	43
Unknown				CAS #:			
5.196	294965	18.5537206	17.30758	0		0	43
Unknown				CAS #:			
6.116	143046	8.99776946	8.3934	0		0	43
Cyclohexane				CAS #: 110-82-7			
7.043	282718	17.7833486	16.58894	90	NIST98.1	111956	43
Cyclohexane, methyl-				CAS #: 108-87-2			
8.574	345821	10.5749628	9.8647	95	NIST98.1	116405	58

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

Operator: JML01693

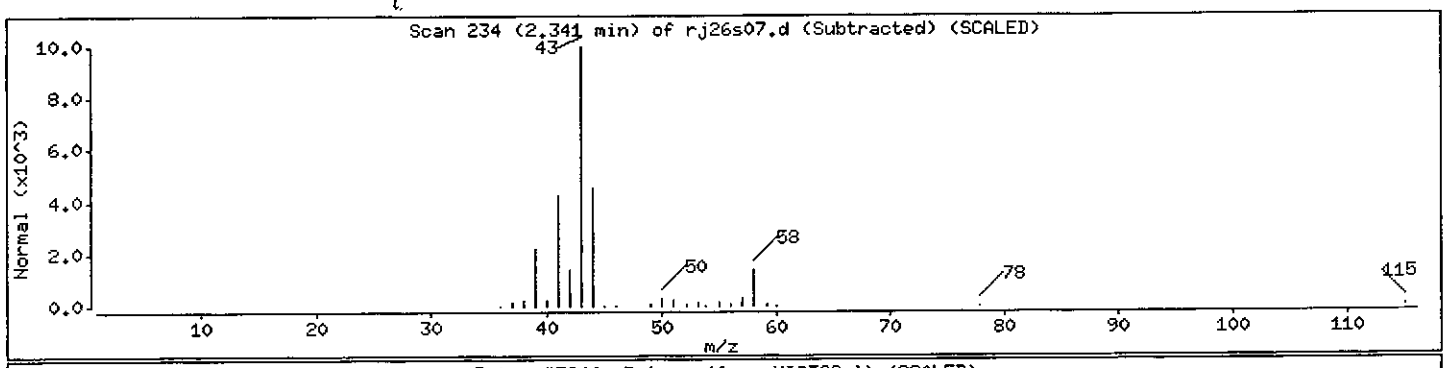
Column phase: DB-624

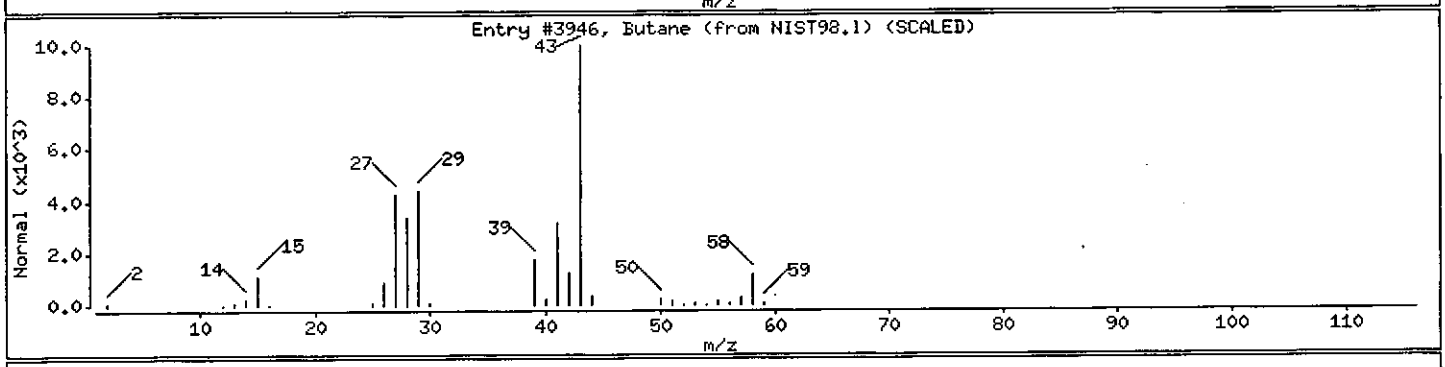
Column diameter: 0.25

Review Code:

Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Butane	106-97-8	NIST98.1	3946	38	C4H10	58





Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

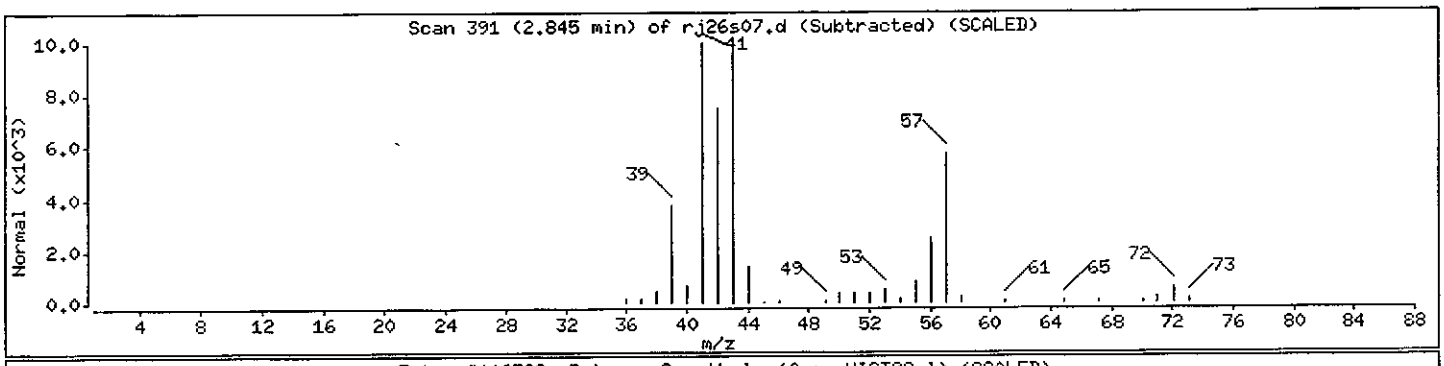
Operator: JHL01693

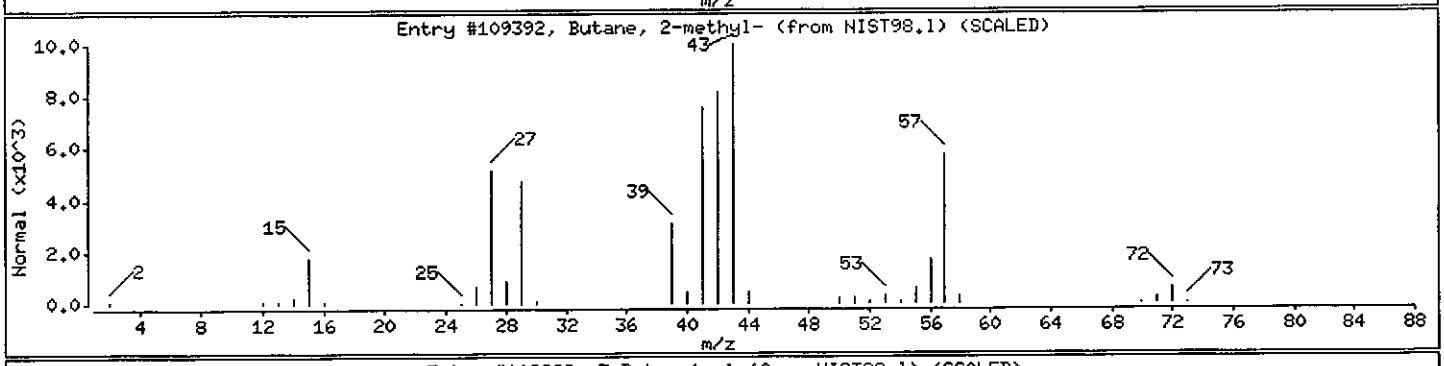
Column phase: DB-624

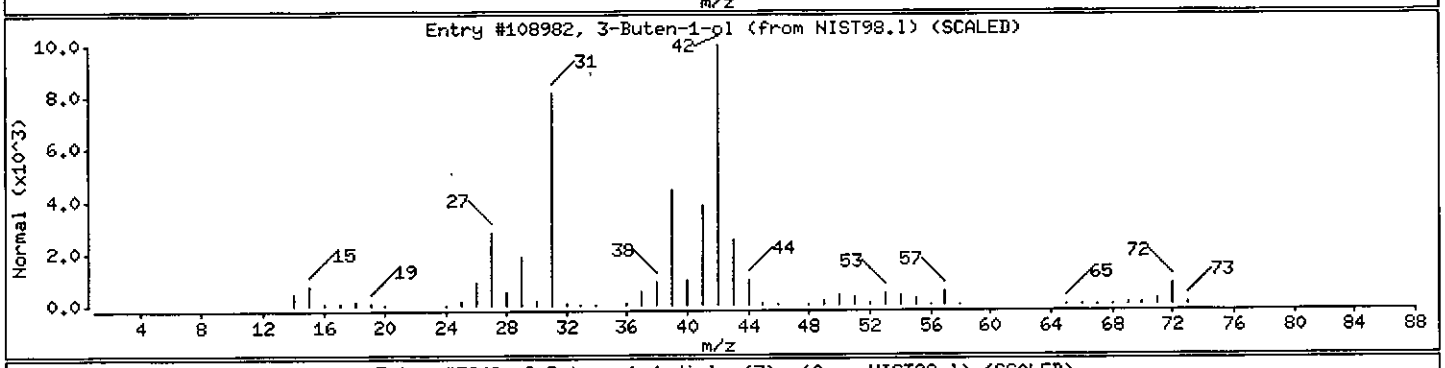
Column diameter: 0.25

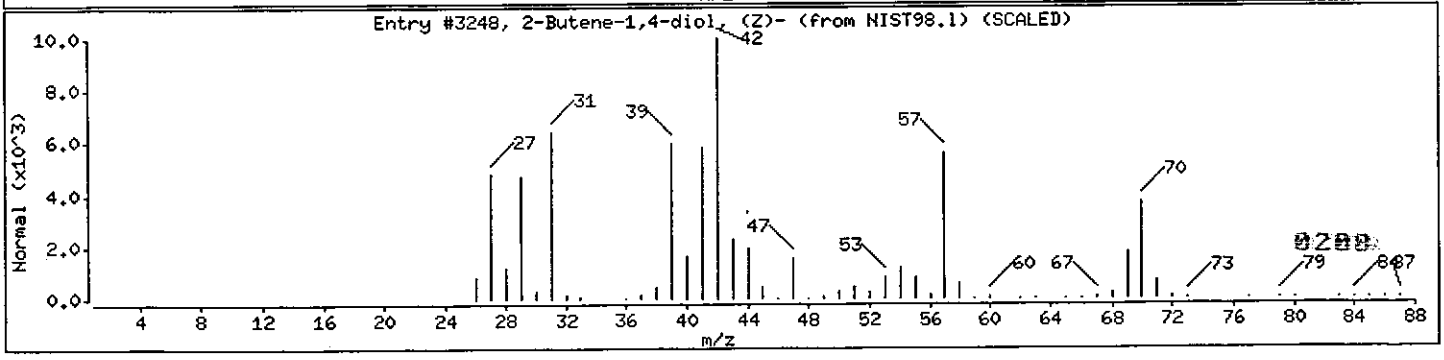
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NIST98.1	109392	80	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	108982	47	C4H8O	72
2-Butene-1,4-diol, (Z)-	6117-80-2	NIST98.1	3248	37	C4H8O2	88









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

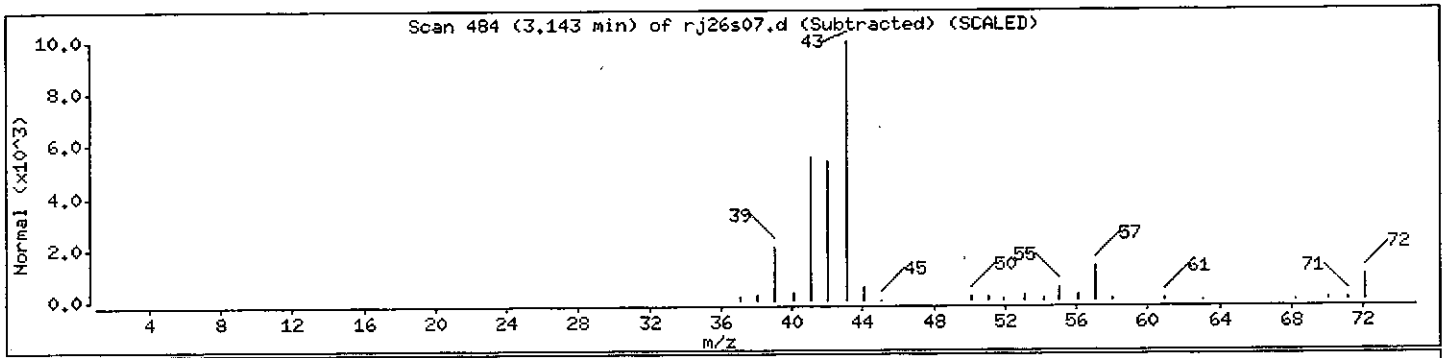
Operator: JHL01693

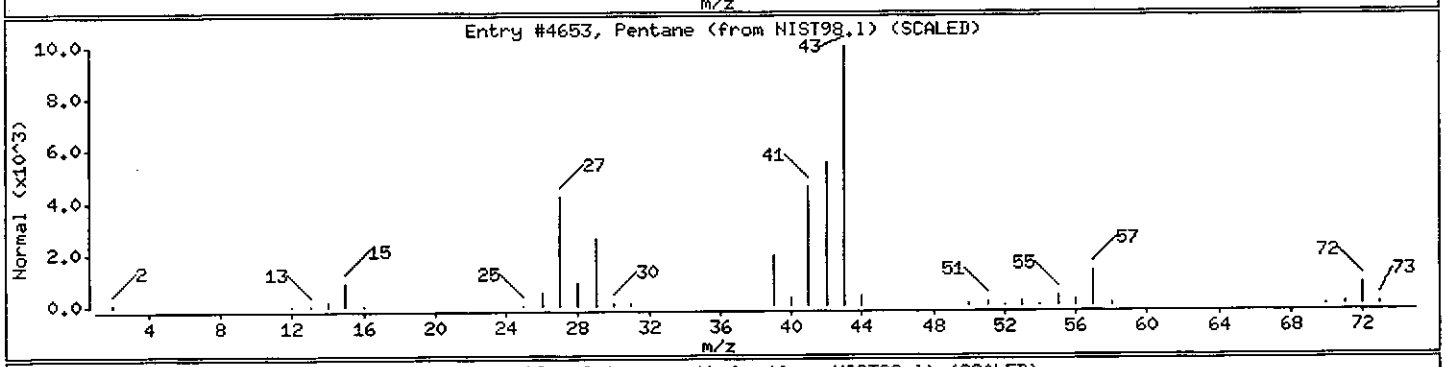
Column phase: DB-624

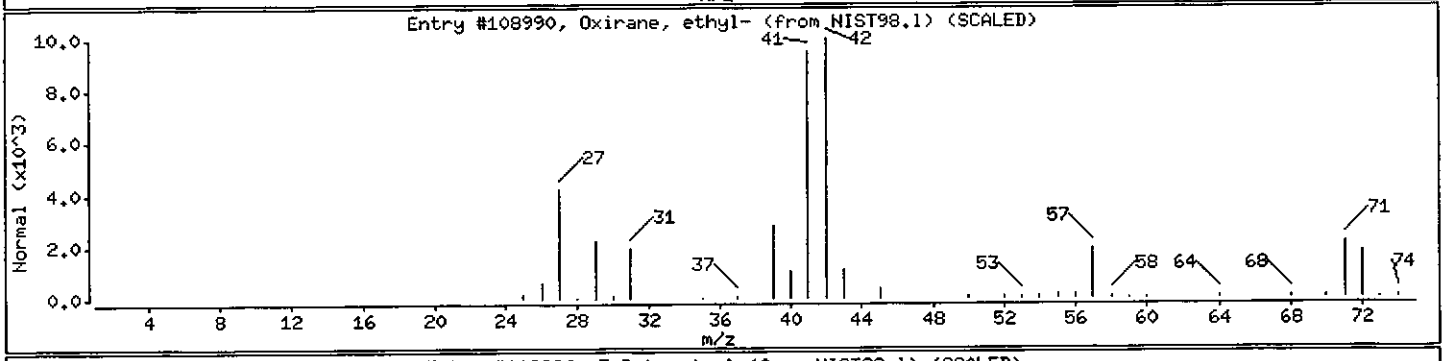
Column diameter: 0.25

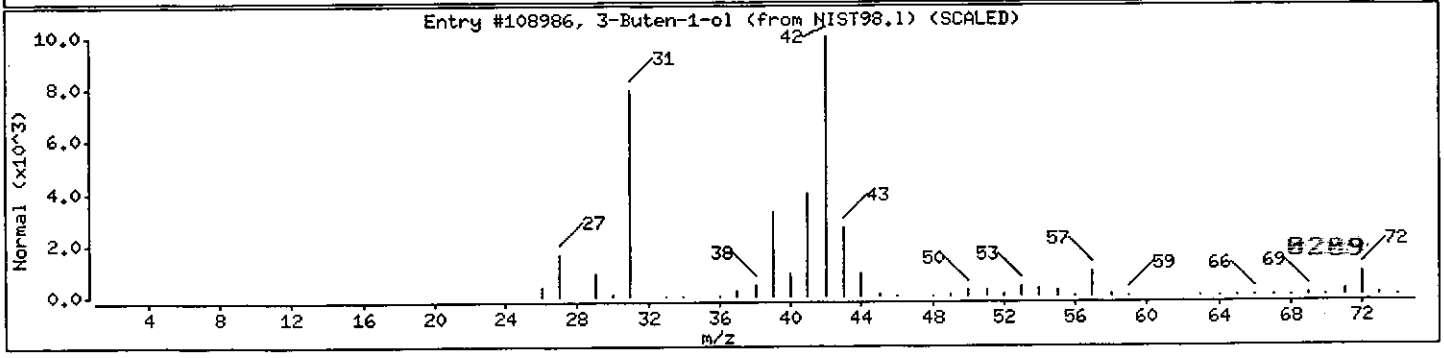
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NIST98.1	4653	90	C5H12	72
Oxirane, ethyl-	106-88-7	NIST98.1	108990	50	C4H8O	72
3-Buten-1-ol	627-27-0	NIST98.1	108986	50	C4H8O	72









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

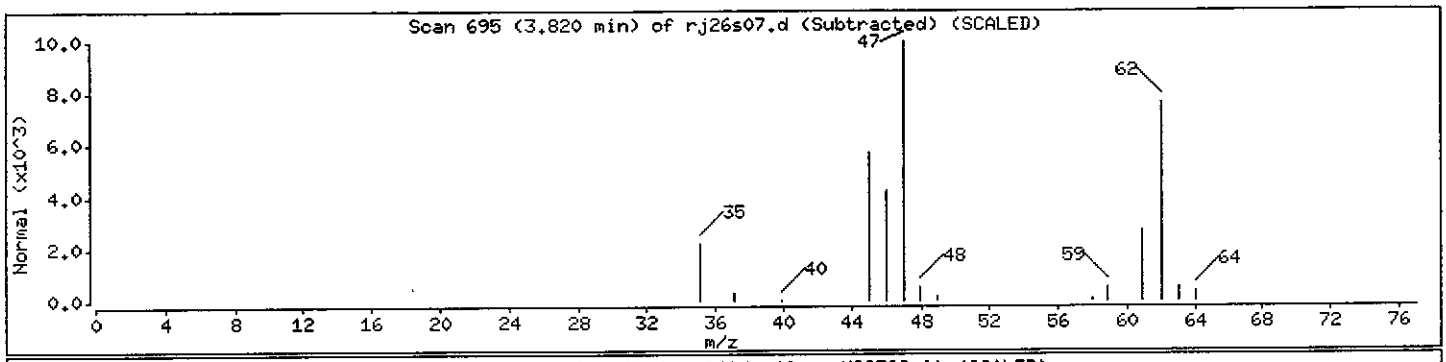
Operator: JML01693

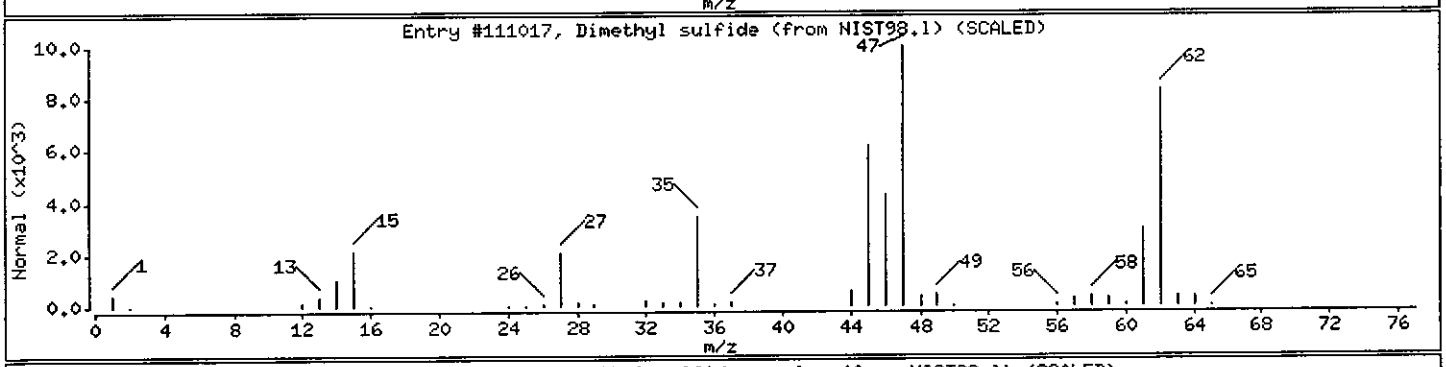
Column phase: DB-624

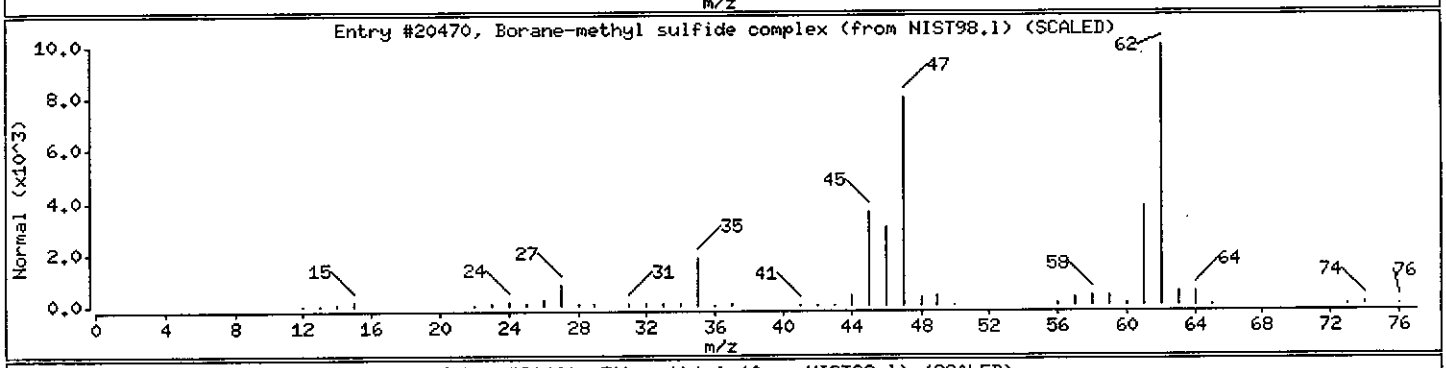
Column diameter: 0.25

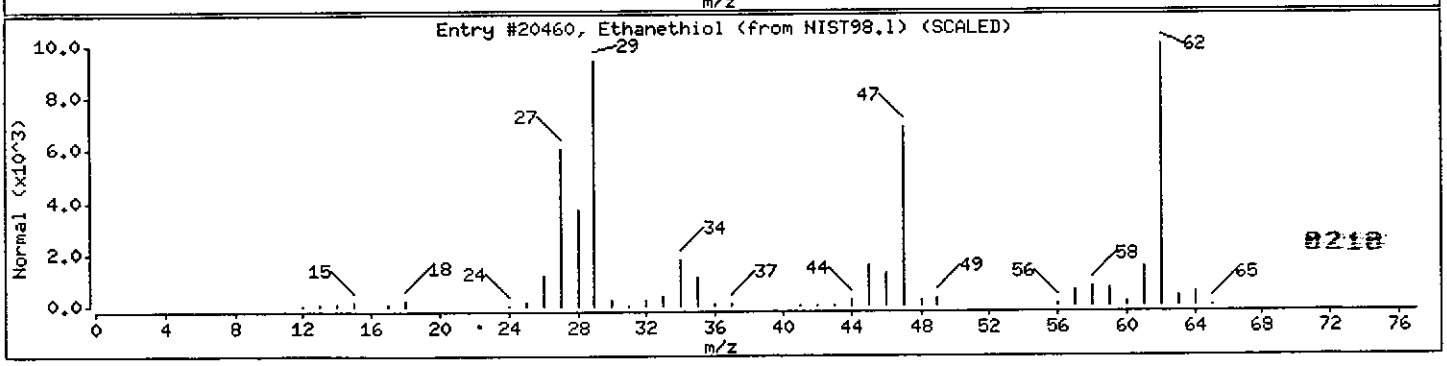
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dimethyl sulfide	75-18-3	NIST98.1	111017	94	C2H6S	62
Borane-methyl sulfide complex	13292-87-0	NIST98.1	20470	83	C2H9BS	76
Ethanethiol	75-08-1	NIST98.1	20460	59	C2H6S	62









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

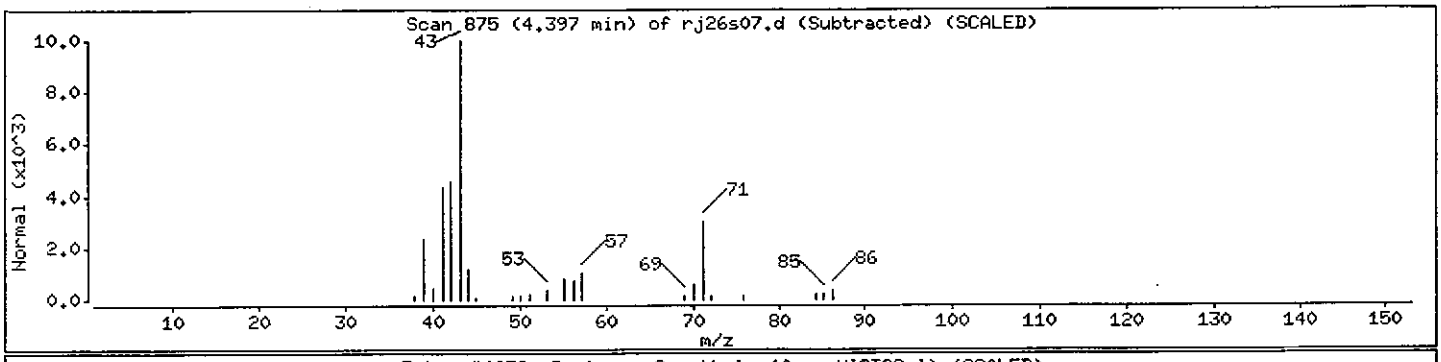
Operator: JML01693

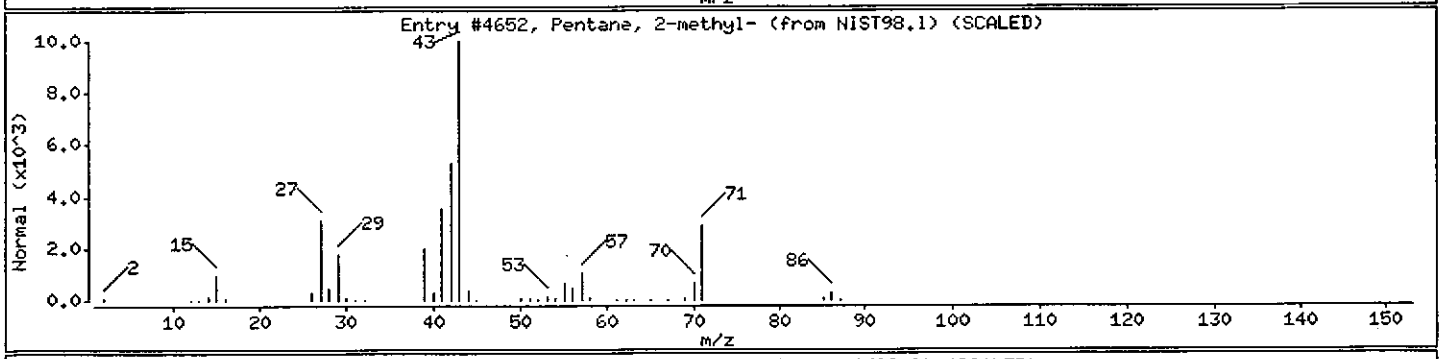
Column phase: DB-624

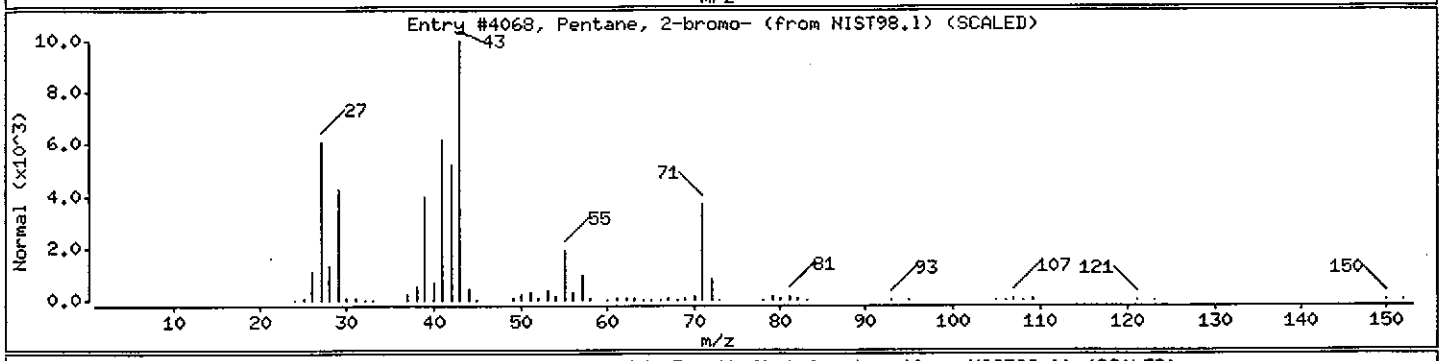
Column diameter: 0.25

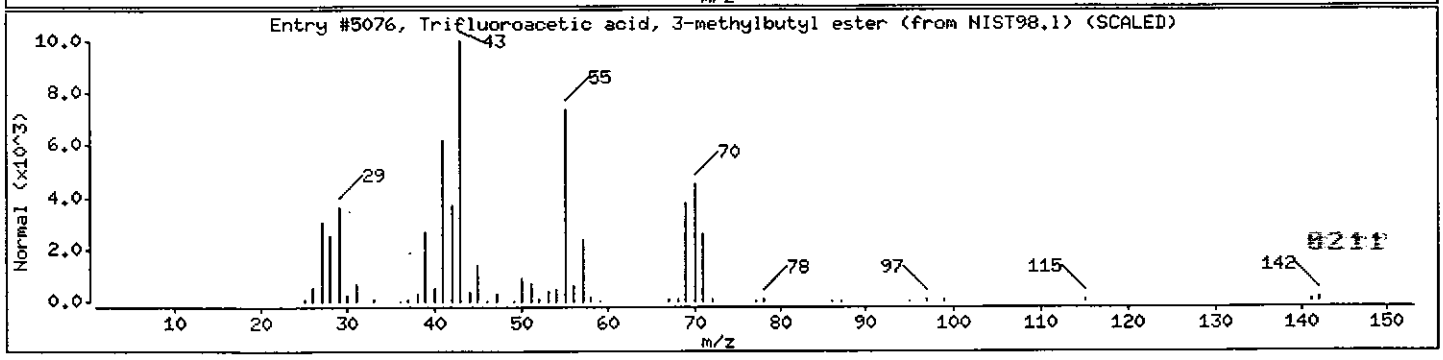
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2-methyl-	107-83-5	NIST98.1	4652	83	C6H14	86
Pentane, 2-bromo-	107-81-3	NIST98.1	4068	64	C5H11Br	150
Trifluoroacetic acid, 3-methylbutyl este	1000245-81-1	NIST98.1	5076	36	C7H11F3O2	184









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Sample Info: 6028-;4692570;2;0;;

Instrument: HP07566.i

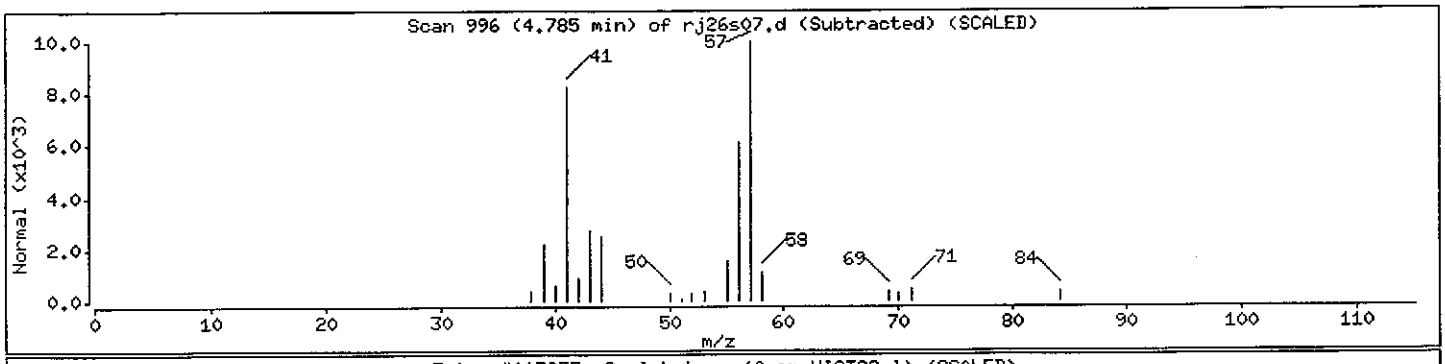
Operator: JML01693

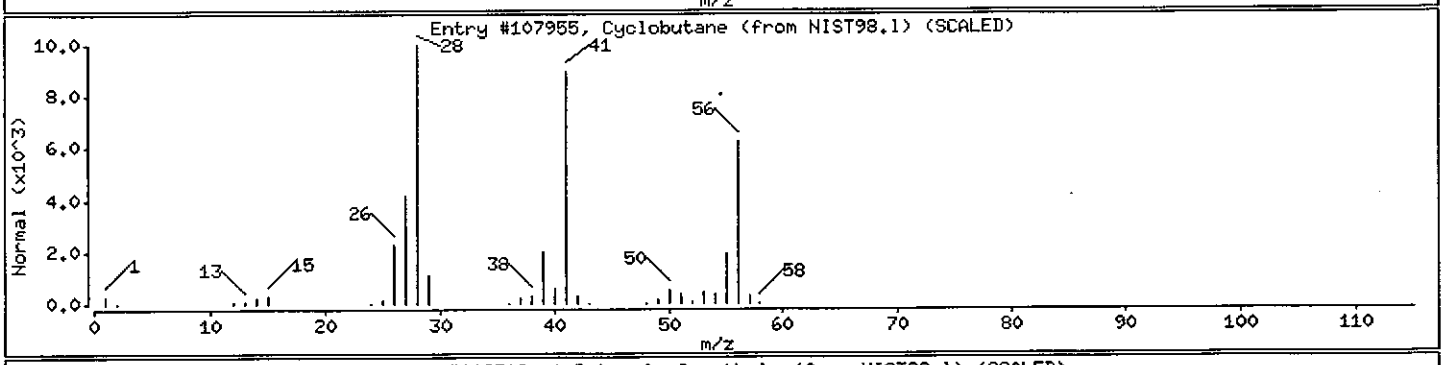
Column phase: DB-624

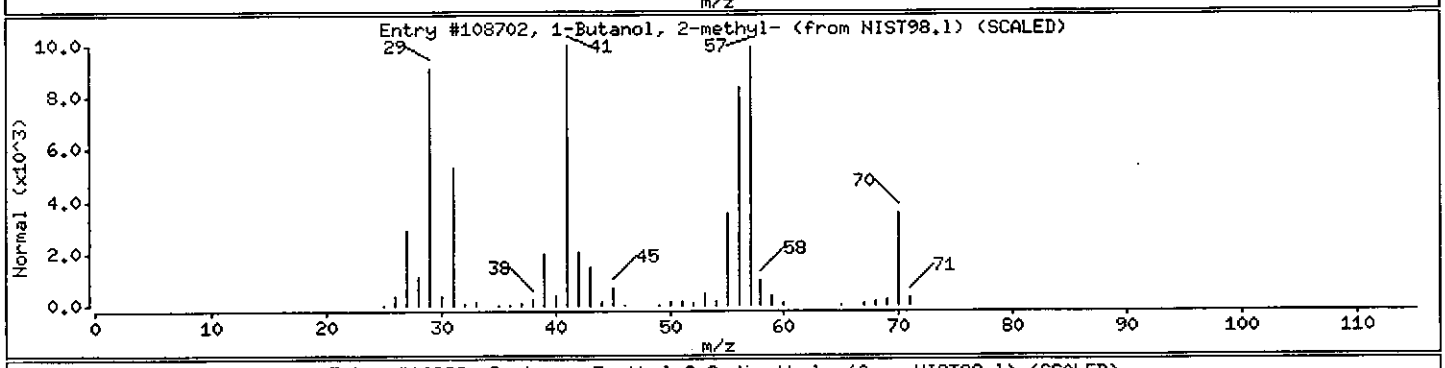
Column diameter: 0.25

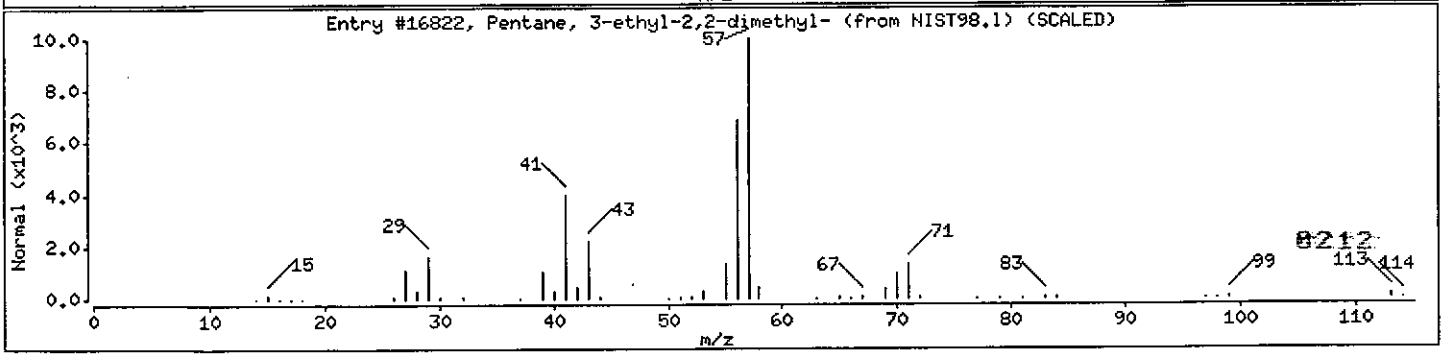
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclobutane	287-23-0	NIST98.1	107955	38	C4H8	56
1-Butanol, 2-methyl-	137-32-6	NIST98.1	108702	33	C5H12O	88
Pentane, 3-ethyl-2,2-dimethyl-	16747-32-3	NIST98.1	16822	33	C9H20	128









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Sample Info: 6028-;4692570;2;0;;

Instrument: HP07566.i

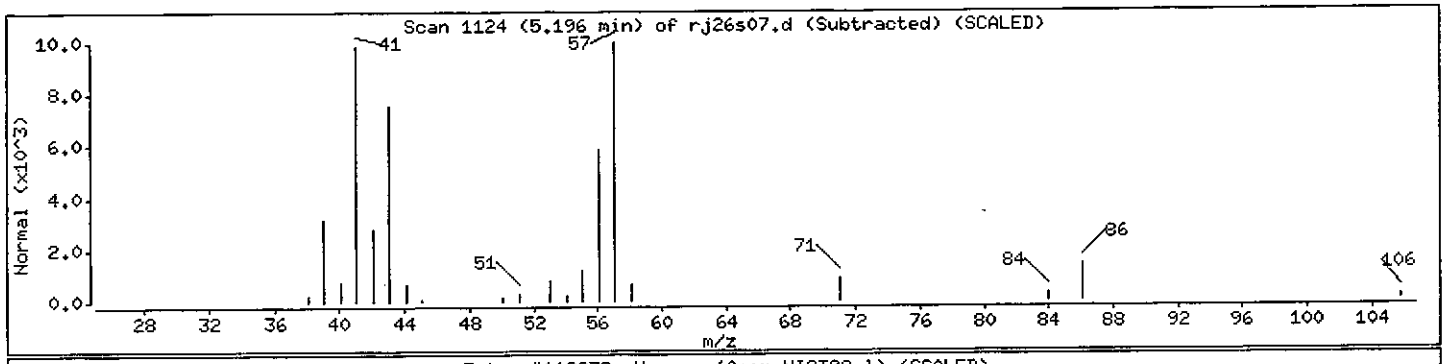
Operator: JHL01693

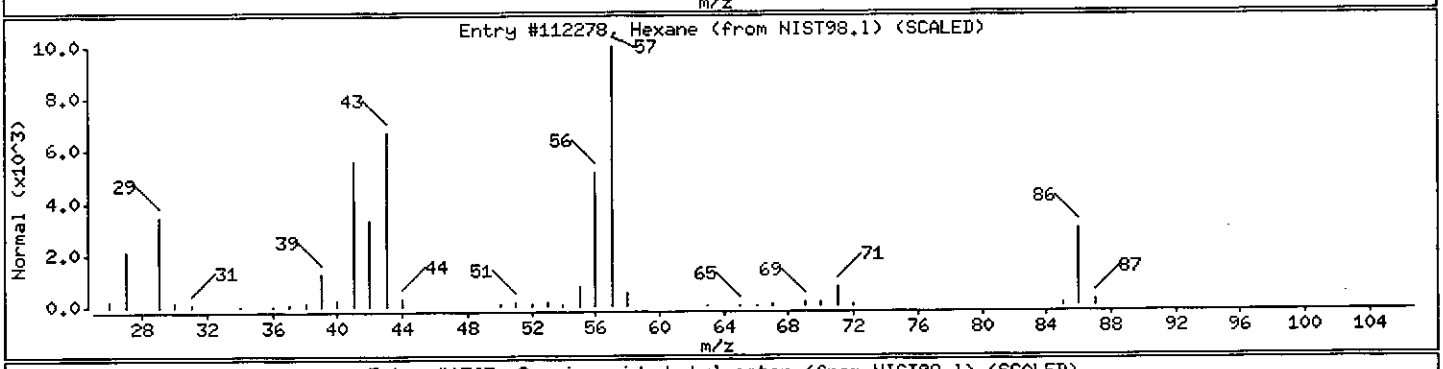
Column phase: DB-624

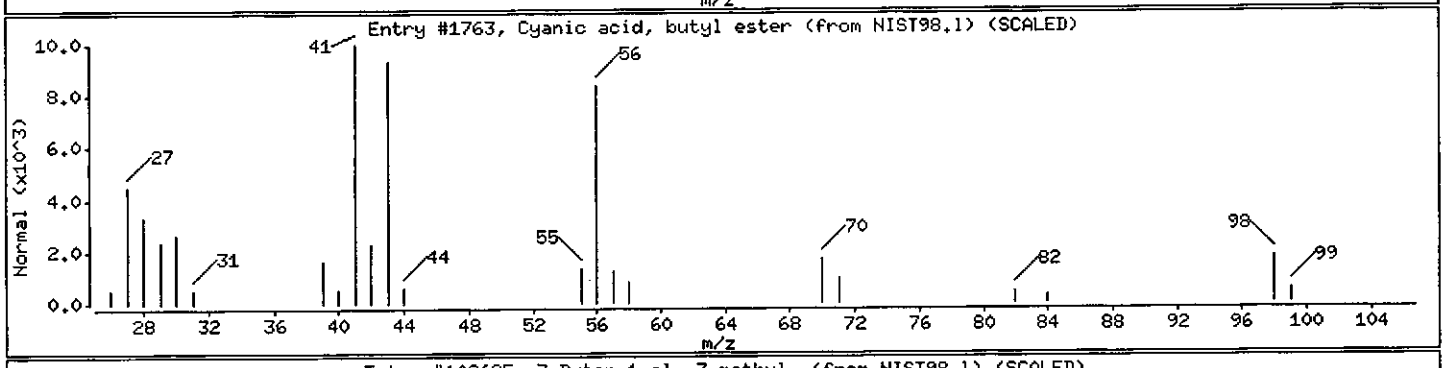
Column diameter: 0.25

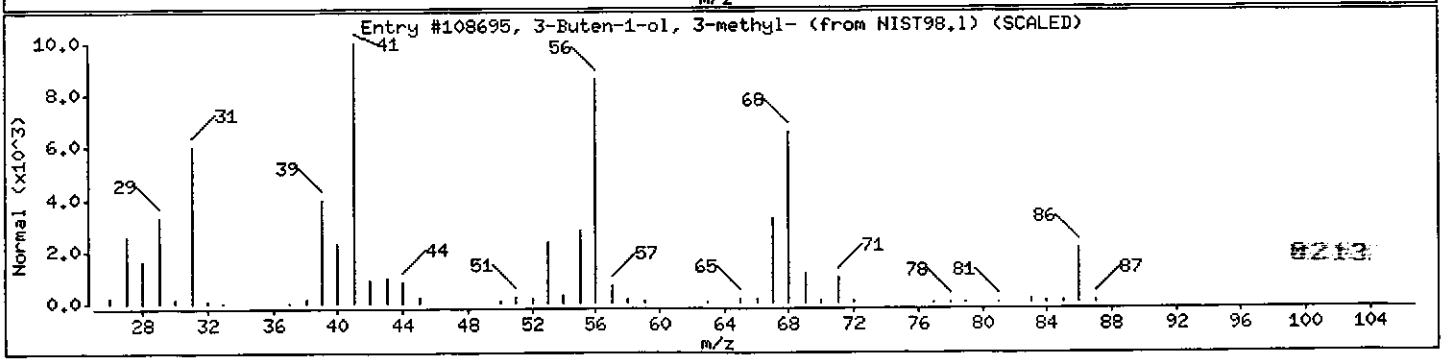
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NIST98.1	112278	72	C6H14	86
Cyanic acid, butyl ester	1768-24-7	NIST98.1	1763	45	C5H9NO	99
3-Buten-1-ol, 3-methyl-	763-32-6	NIST98.1	108695	37	C5H10O	86









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

Operator: JML01693

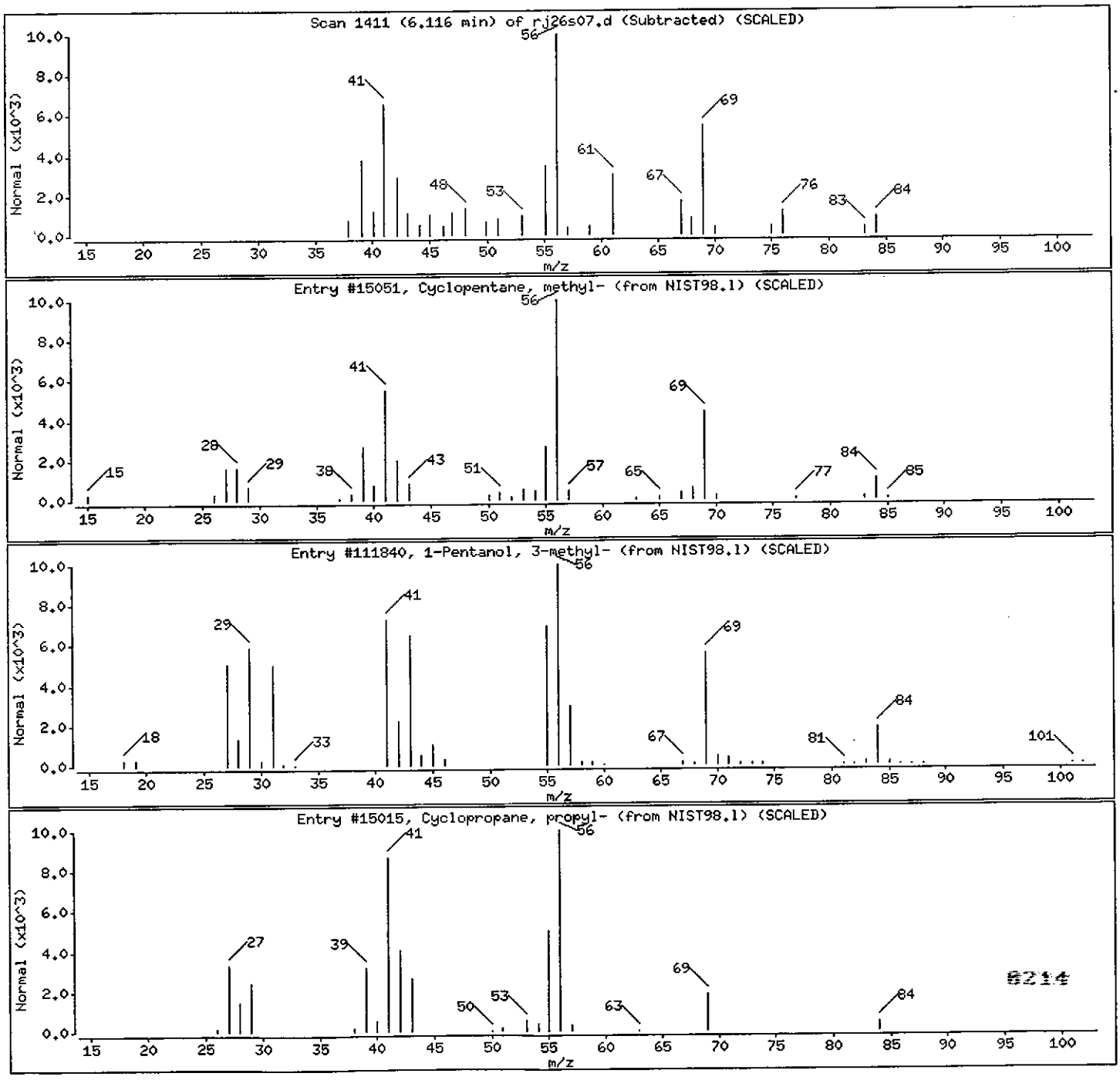
Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopentane, methyl-	96-37-7	NIST98.1	15051	43	C6H12	84
1-Pentanol, 3-methyl-	589-35-5	NIST98.1	111840	38	C6H14O	102
Cyclopropane, propyl-	2415-72-7	NIST98.1	15015	38	C6H12	84



6214

Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

Operator: JML01693

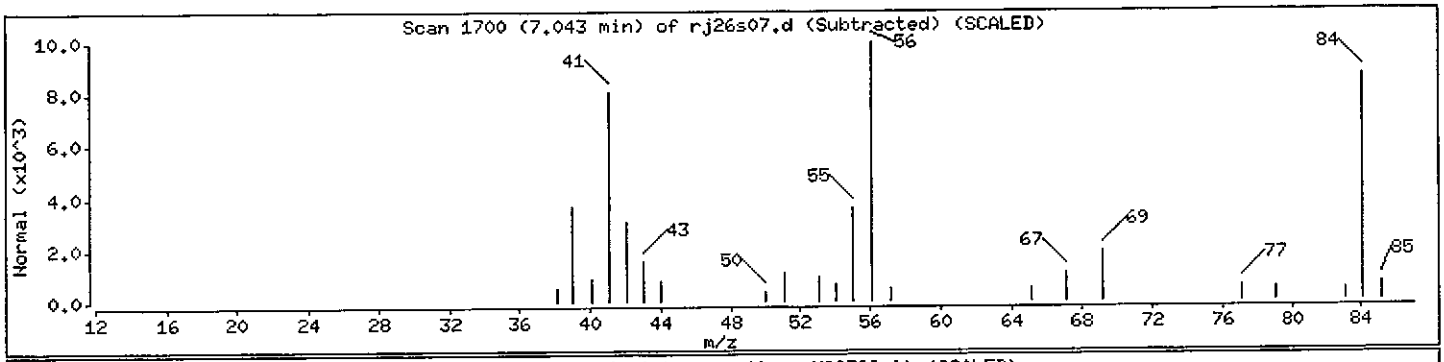
Column phase: DB-624

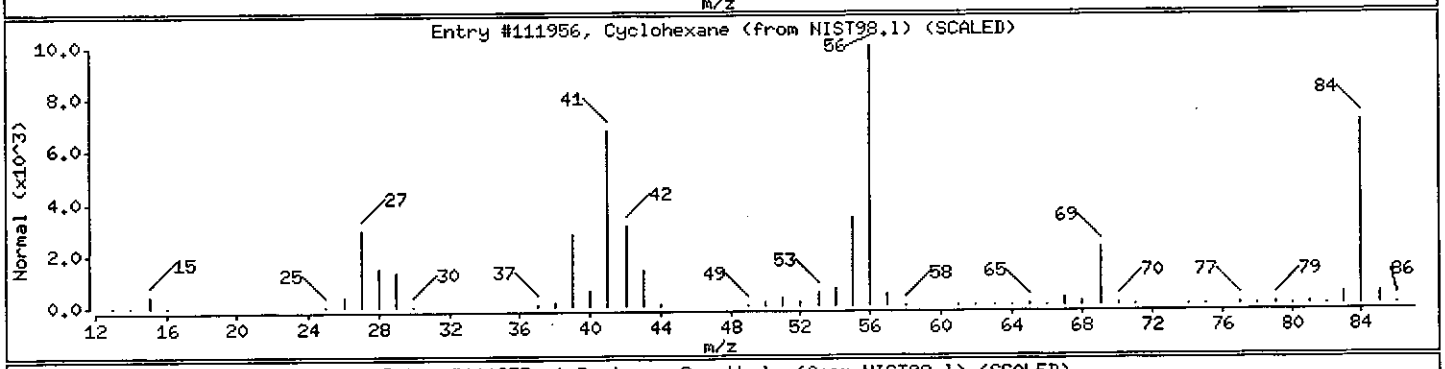
Column diameter: 0.25

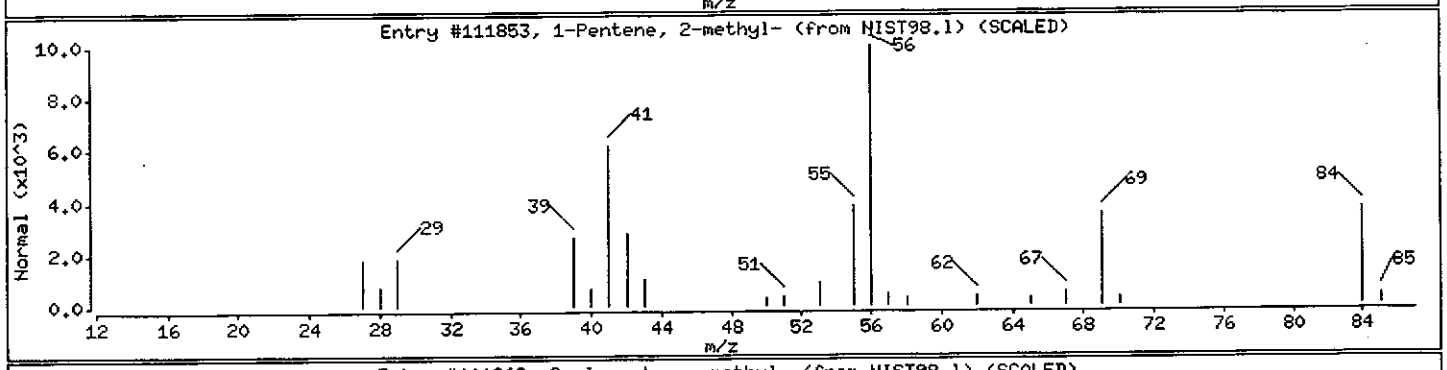
Review Code:

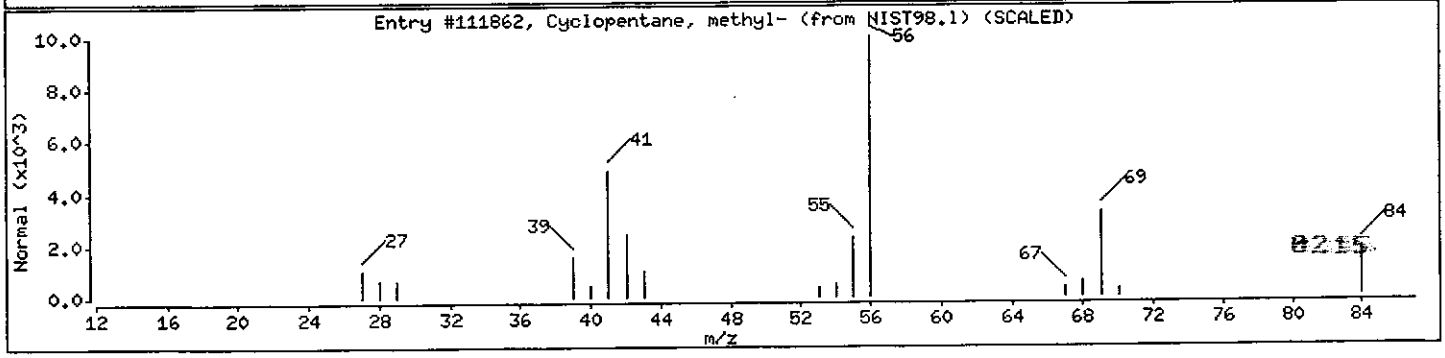
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane	110-82-7	NIST98.1	111956	90	C6H12	84
1-Pentene, 2-methyl-	763-29-1	NIST98.1	111853	86	C6H12	84
Cyclopentane, methyl-	96-37-7	NIST98.1	111862	72	C6H12	84









Data File: /chem/HP07566.i/06jan26b.b/rj26s07.d

Date : 26-JAN-2006 21:48

Client ID: 6028-

Instrument: HP07566.i

Sample Info: 6028-;4692570;2;0;;

Operator: JML01693

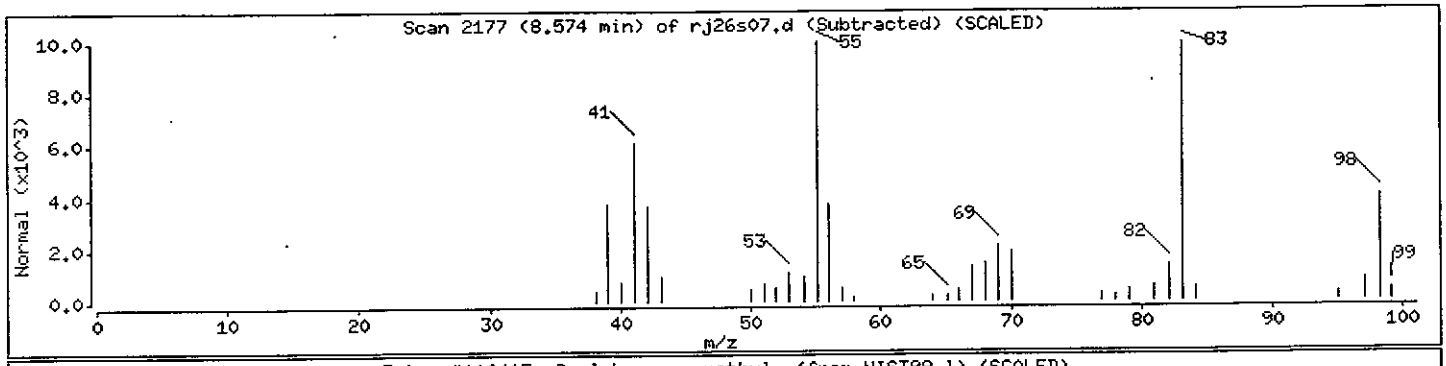
Column phase: DB-624

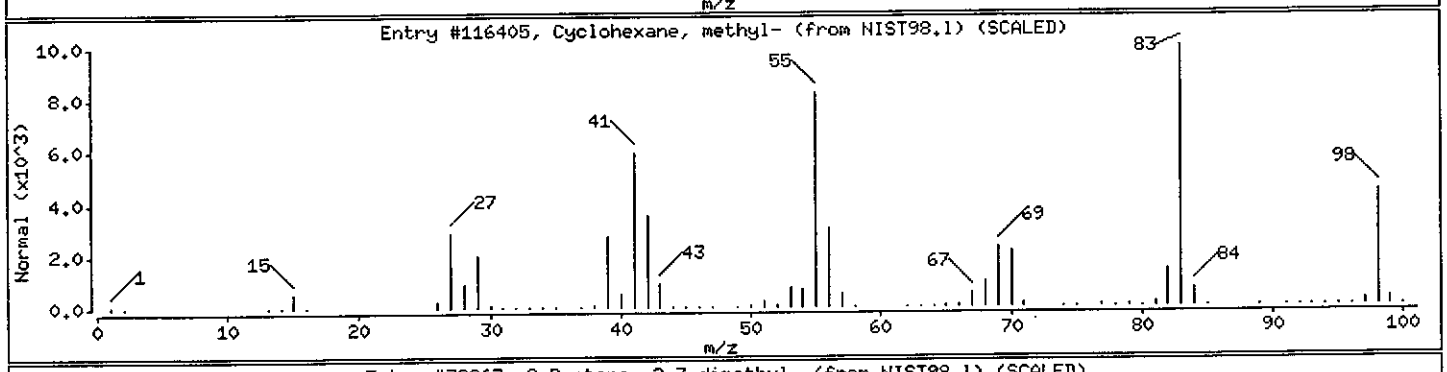
Column diameter: 0.25

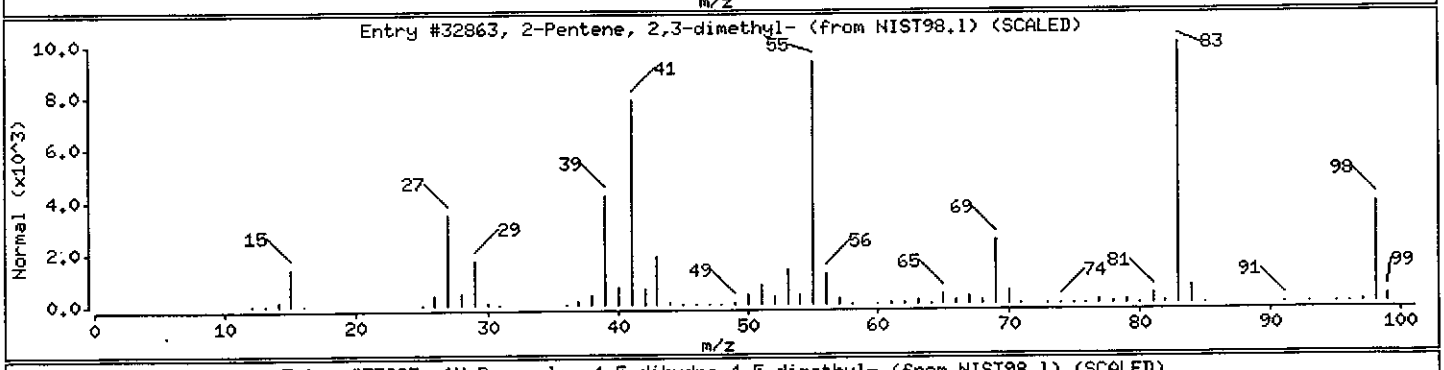
Review Code:

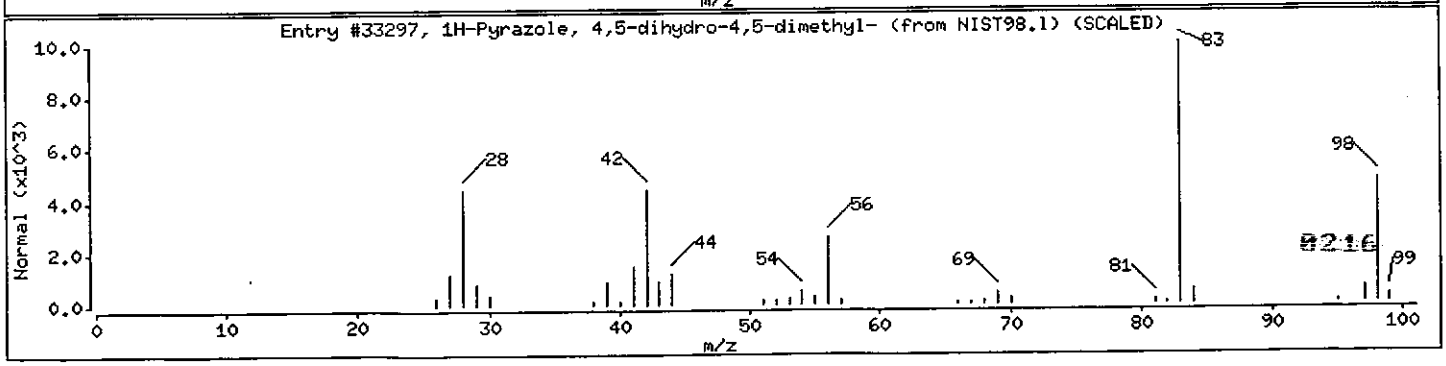
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane, methyl-	108-87-2	NIST98.1	116405	95	C7H14	98
2-Pentene, 2,3-dimethyl-	10574-37-5	NIST98.1	32863	76	C7H14	98
1H-Pyrazole, 4,5-dihydro-4,5-dimethyl-	28019-94-5	NIST98.1	33297	72	C5H10N2	98









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 6.06 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s08.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	7	J
75-09-2	Methylene Chloride	2	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (Total)	1	U

0217

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 6.06 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s08.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U

0218

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6008-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692571

Sample wt/vol: 6.06 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s08.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec. 14 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.34	94	J
2.	Unknown	2.85	18	J
3. 109-66-0	Pentane	3.14	24	NJ
4. 107-83-5	Pentane, 2-methyl-	4.39	8	NJ
5. 110-54-3	Hexane	5.20	8	NJ
6.	Unknown aliphatic	7.05	5	J
7.	Unknown siloxane	12.35	5	J B
8.				
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30.				

8219

FORM I VOA-TIC

OLM03.0

6008-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692571

File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Sample: 6008-;4692571;2;0;;
Injected At:26-JAN-2006 22:15
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.83
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.0600 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.573(0.000)	1553	128	102195(-20)	50.00	
58) 1,4-Difluorobenzene	7.958(0.000)	1985	114	655354(-20)	50.00	
91) Chlorobenzene-d5	11.253(0.000)	3012	117	545745(-29)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.358(0.000)	65	381941	56.317	113%		70 - 121
78) Toluene-d8	(3)	9.822(0.000)	98	784602	54.318	109%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.237(0.000)	95	224676	38.417	77%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.65	8.25
3) Vinyl Chloride	(1)				ND	ND			1.65	8.25
5) Bromomethane	(1)				ND	ND			2.48	8.25
6) Chloroethane	(1)				ND	ND			2.48	8.25
10) 1,1-Dichloroethene	(1)				ND	ND			1.65	8.25
16) Acetone	(1)	3.718(0.000)	43	23497	9.886	8.16		J	5.78	8.25
18) Carbon Disulfide	(1)	3.997(0.001)	76	122823	7.175	5.92		J	2.48	8.25
22) Methylene Chloride	(1)				ND	ND			1.65	8.25
26) trans-1,2-Dichloroethene	(1)				ND	ND			1.65	8.25
31) 1,1-Dichloroethane	(1)				ND	ND			0.83	8.25
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.65	8.25
40) 2-Butanone	(1)				ND	ND			5.78	8.25
45) Chloroform	(1)				ND	ND			0.83	8.25
46) 1,1,1-Trichloroethane	(2)				ND	ND			0.83	8.25
49) Carbon Tetrachloride	(2)				ND	ND			0.83	8.25
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.65	8.25
52) Benzene	(2)				ND	ND			0.83	8.25
53) 1,2-Dichloroethane	(1)				ND	ND			1.65	8.25
61) Trichloroethene	(2)				ND	ND			0.83	8.25
66) 1,2-Dichloropropane	(2)				ND	ND			2.48	8.25
71) Bromodichloromethane	(2)				ND	ND			1.65	8.25
75) cis-1,3-Dichloropropene	(2)				ND	ND			0.83	8.25
76) 4-Methyl-2-Pentanone	(3)				ND	ND			2.48	8.25
80) Toluene	(3)	9.899(0.000)	91	24178	1.178	0.97		J	0.83	8.25

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

8228

6008-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692571

File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Sample: 6008-;4692571;2;0;;
Injected At:26-JAN-2006 22:15
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.83
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.0600 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			0.83	8.25
83) 1,1,2-Trichloroethane	(2)					ND	ND			1.65	8.25
85) Tetrachloroethene	(3)					ND	ND			0.83	8.25
87) 2-Hexanone	(3)					ND	ND			2.48	8.25
88) Dibromochloromethane	(2)					ND	ND			0.83	8.25
92) Chlorobenzene	(3)					ND	ND			0.83	8.25
94) Ethylbenzene	(3)					ND	ND			0.83	8.25
95) m+p-Xylene	(3)					ND	ND			0.83	8.25
96) Xylene (Total)	(3)					ND	ND			0.83	8.25
97) o-Xylene	(3)					ND	ND			0.83	8.25
98) Styrene	(3)					ND	ND			0.83	8.25
99) Bromoform	(2)					ND	ND			0.83	8.25
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			0.83	8.25

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: SM9372

Analyst: JML Date: 1/31/06

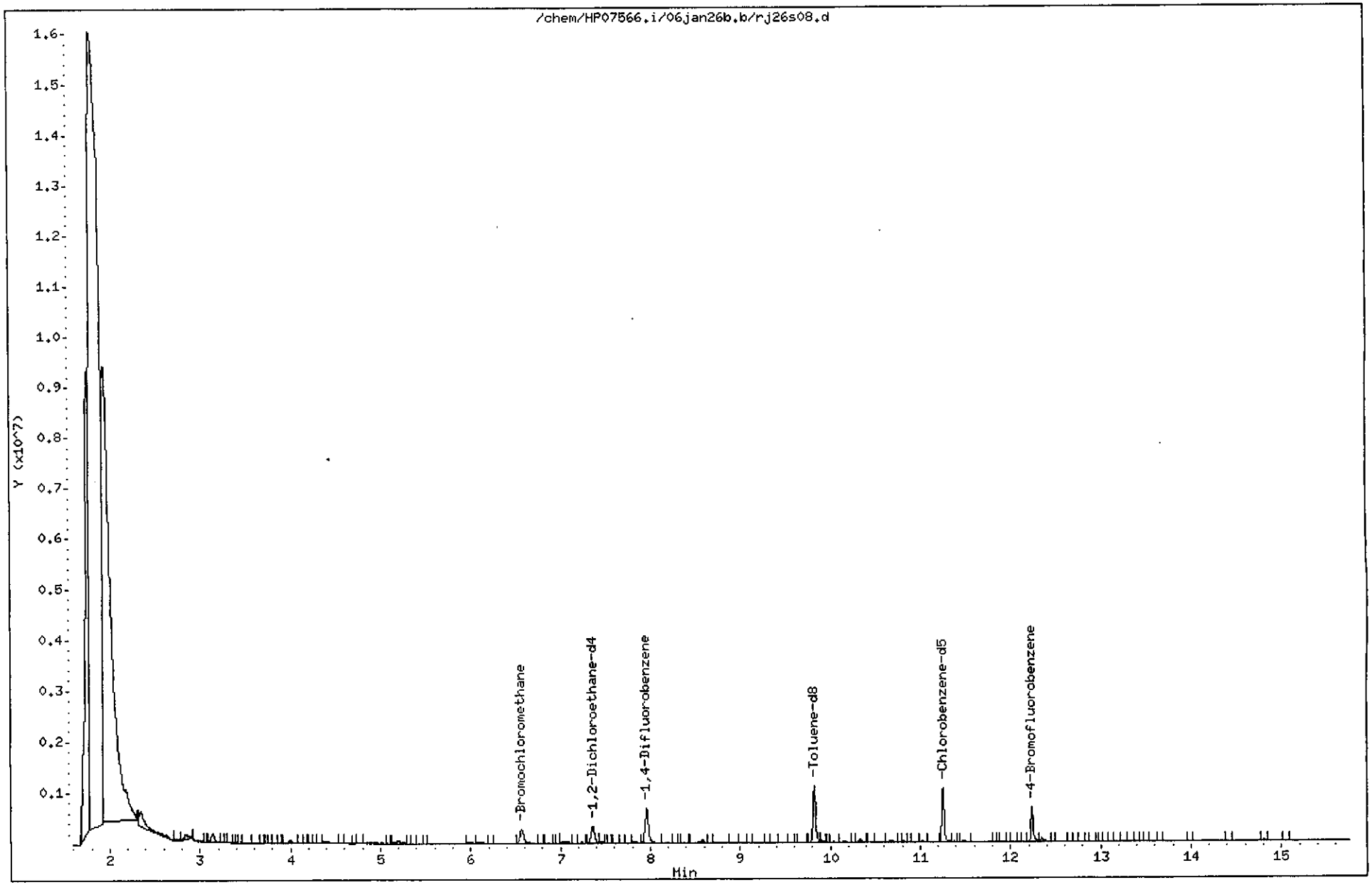
Auditor: [illegible] Date: 2.2.06

8221

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Date : 26-JAN-2006 22:15
Client ID: 6008-
Sample Info: 6008-;4692571;2;0;;

Column phase: DB-624

Instrument: HP07566.i
Operator: JML01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

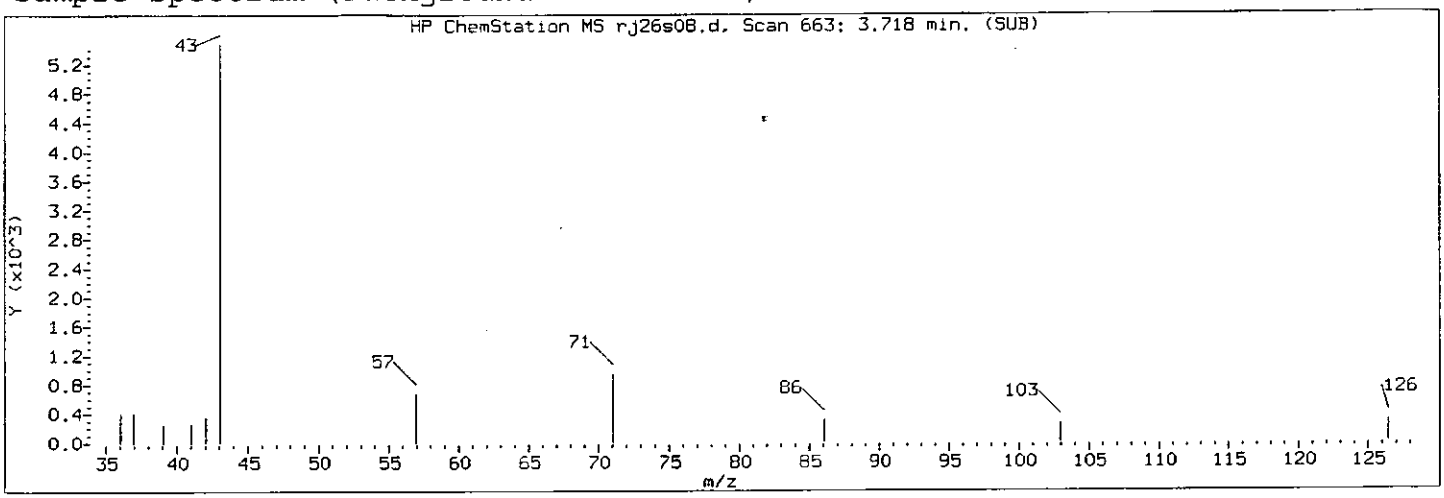
Sample Name: 6008- Lab Sample ID: 4692571

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
16) Acetone	(1)	3.718	43	23497M	9.886
18) Carbon Disulfide	(1)	3.997	76	122823	7.175
43) *Bromochloromethane	(1)	6.573	128	102195	50.000
58) *1,4-Difluorobenzene	(2)	7.958	114	655354	50.000
80) Toluene	(3)	9.899	91	24178	1.178
91) *Chlorobenzene-d5	(3)	11.253	117	545745	50.000
50) $1,2-Dichloroethane-d4	(1)	7.358	65	381941	56.317
78) $Toluene-d8	(3)	9.822	98	784602	54.318
103) $4-Bromofluorobenzene	(3)	12.237	95	224676	38.417

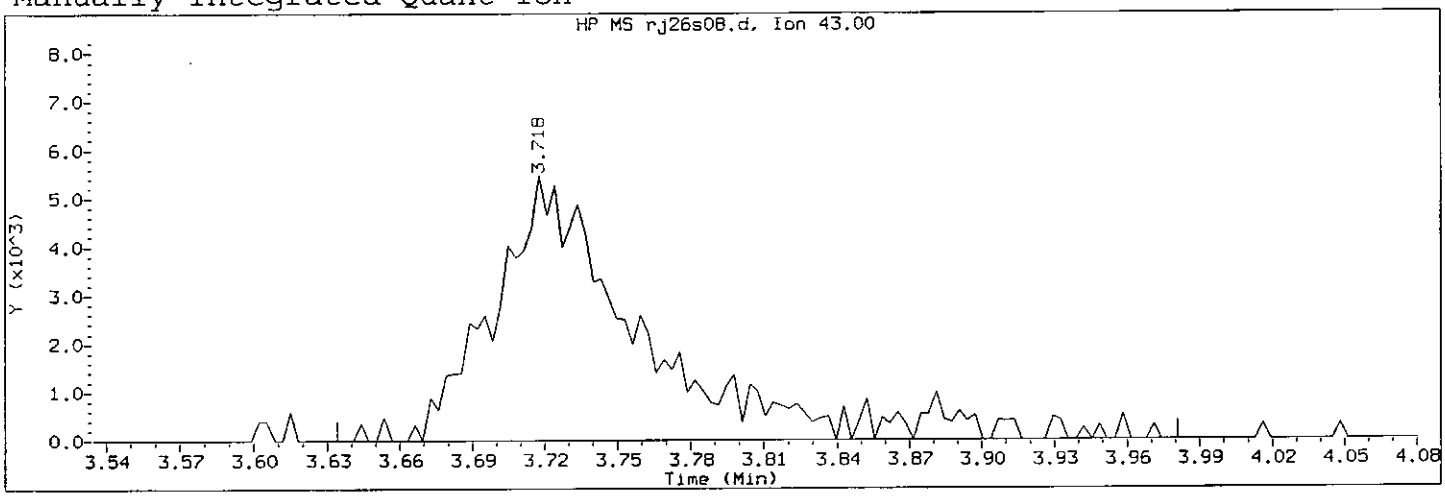
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008- Lab Sample ID: 4692571

Compound Number : 16
Compound Name : Acetone
Scan Number : 663
Retention Time (minutes): 3.718
Quant Ion : 43
Area (flag) : 23497 M
Concentration (ug/Kg) : 9.8858
Integration start scan : 636 Integration stop scan: 744
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

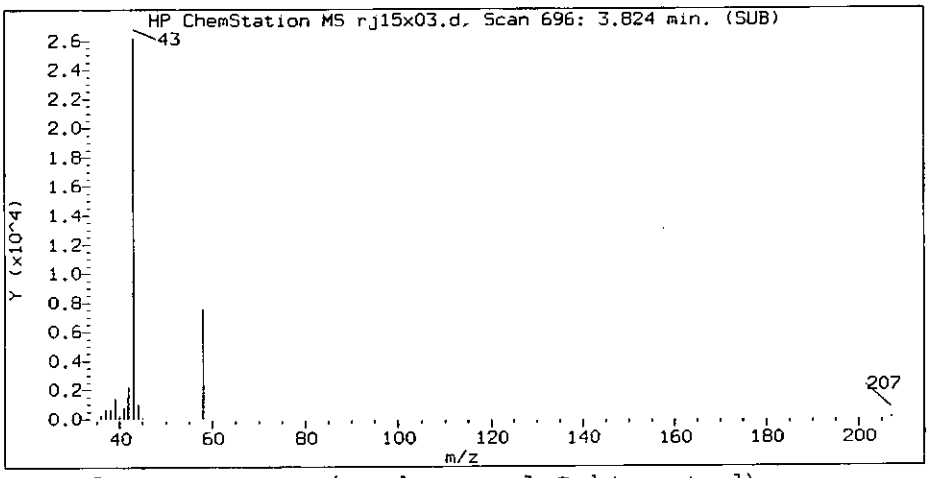
Analyst responsible for change: [signature] 1/31/06

0224

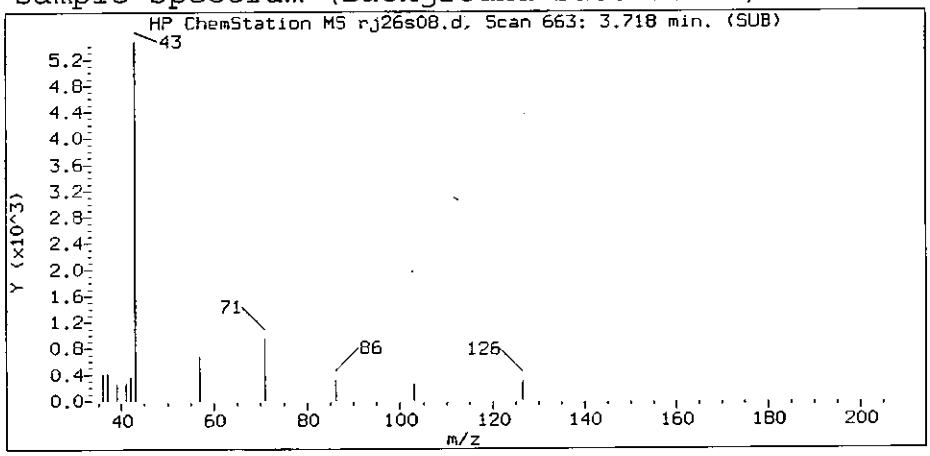
GC/MS audit/management approval: [signature] 2/2/06

Manual Integration Report for data file /chem/HP07566.i/06jan26b.b/rj26s08.d, generated on 01/31/2006 at 08:38

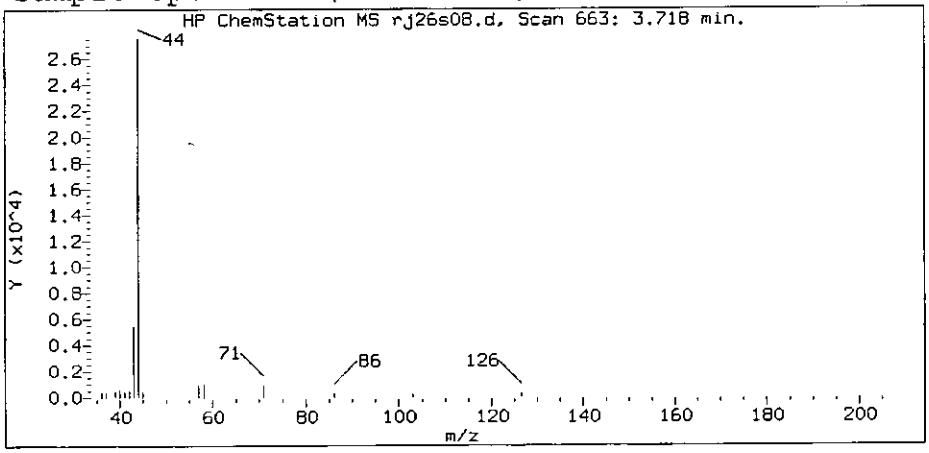
Reference Standard Spectrum for Acetone

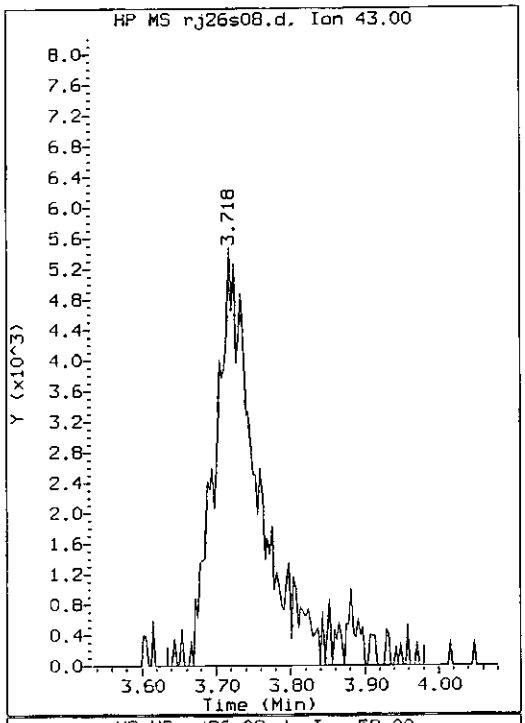


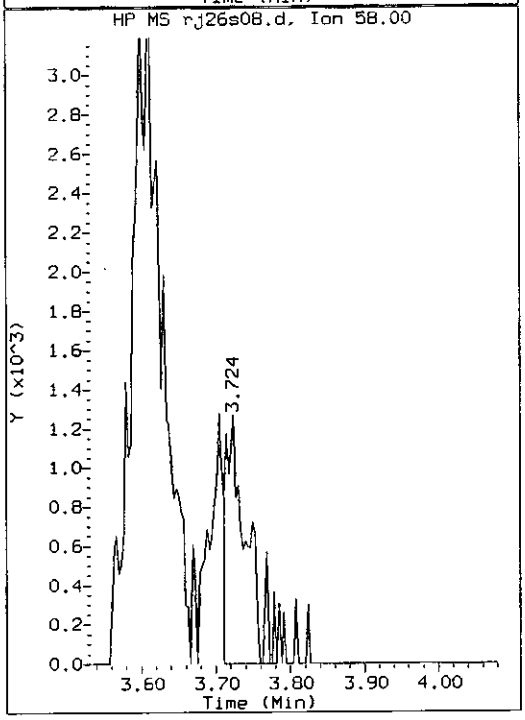
Sample Spectrum (Background Subtracted)



Sample Spectrum (Unaltered)







Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Injection date and time: 26-JAN-2006 22:15

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

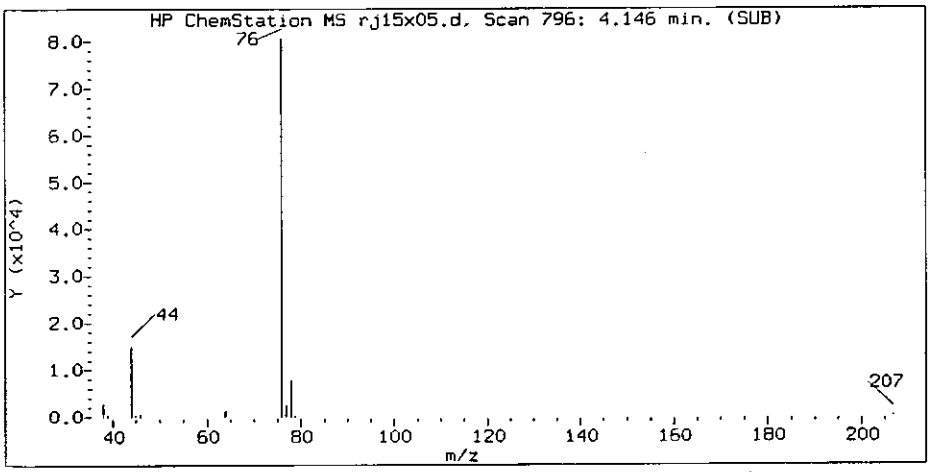
Sample Name: 6008-

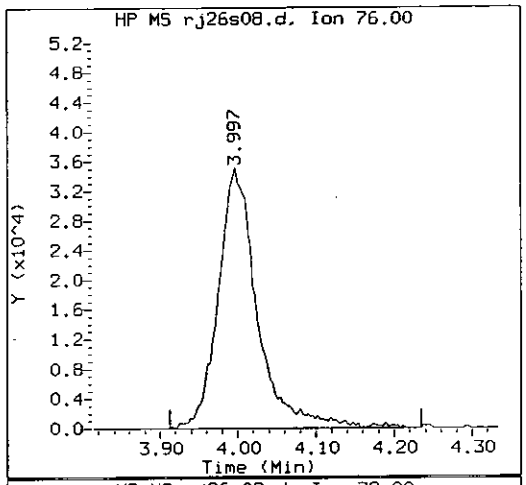
Lab Sample ID: 4692571

Compound Number	: 16
Compound Name	: Acetone
Scan Number	: 663
Retention Time (minutes)	: 3.718
Quant Ion	: 43.0
Area (flag)	: 23497 M
Concentration (ug/Kg)	: 9.8858

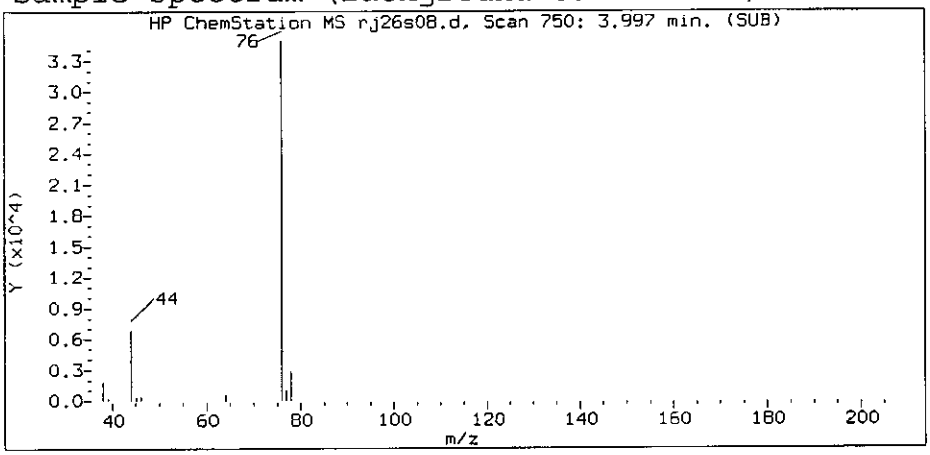
8225

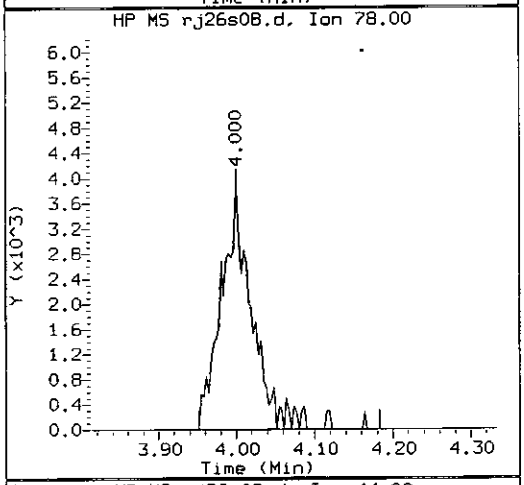
Reference Standard Spectrum for Carbon Disulfide



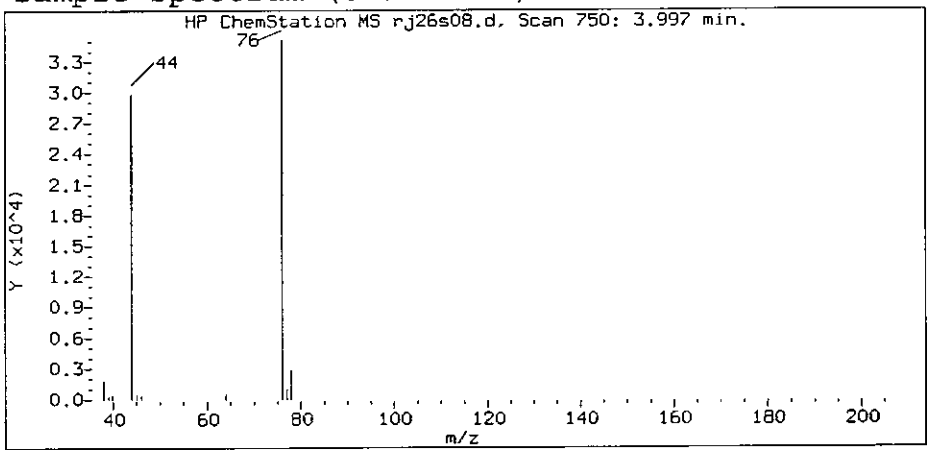


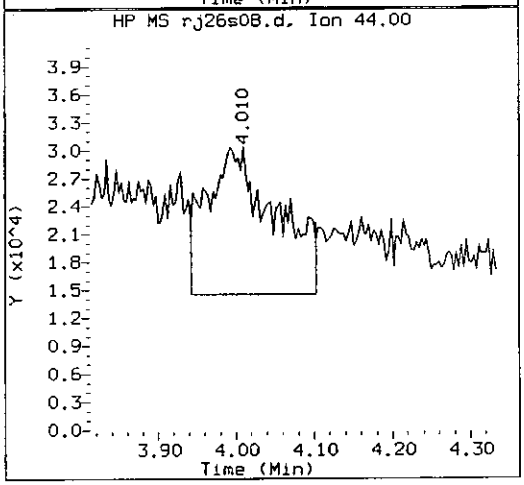
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Injection date and time: 26-JAN-2006 22:15

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

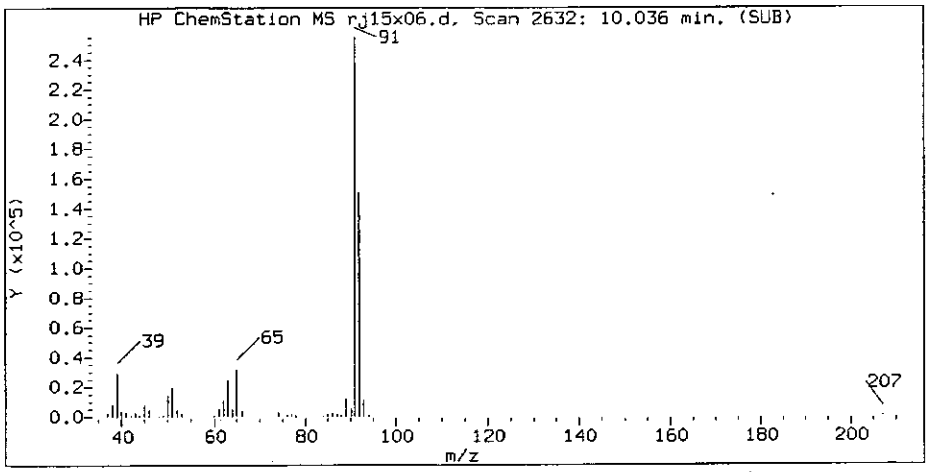
Sample Name: 6008-

Lab Sample ID: 4692571

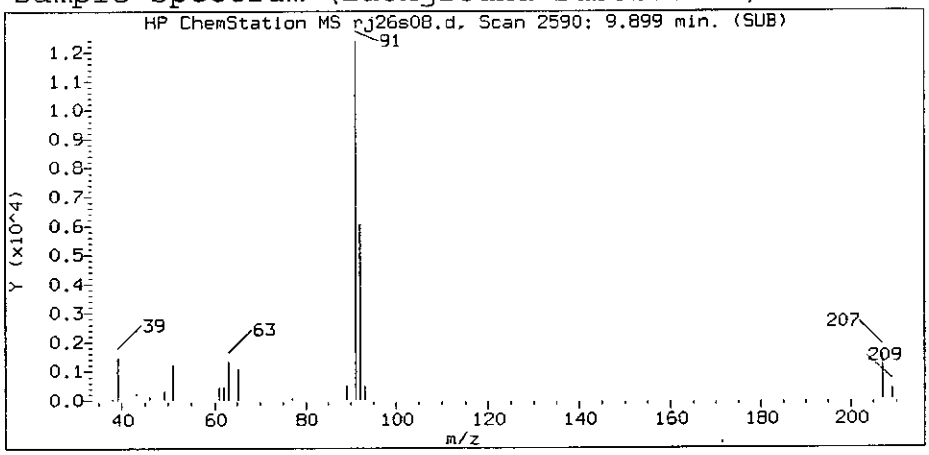
Compound Number	: 18
Compound Name	: Carbon Disulfide
Scan Number	: 750
Retention Time (minutes)	: 3.997
Quant Ion	: 76.0
Area (flag)	: 122823
Concentration (ug/Kg)	: 7.1754

8226

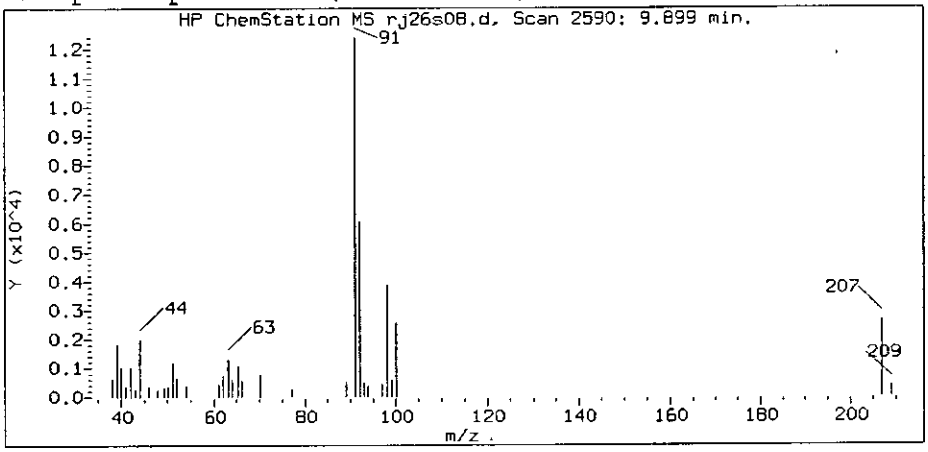
Reference Standard Spectrum for Toluene

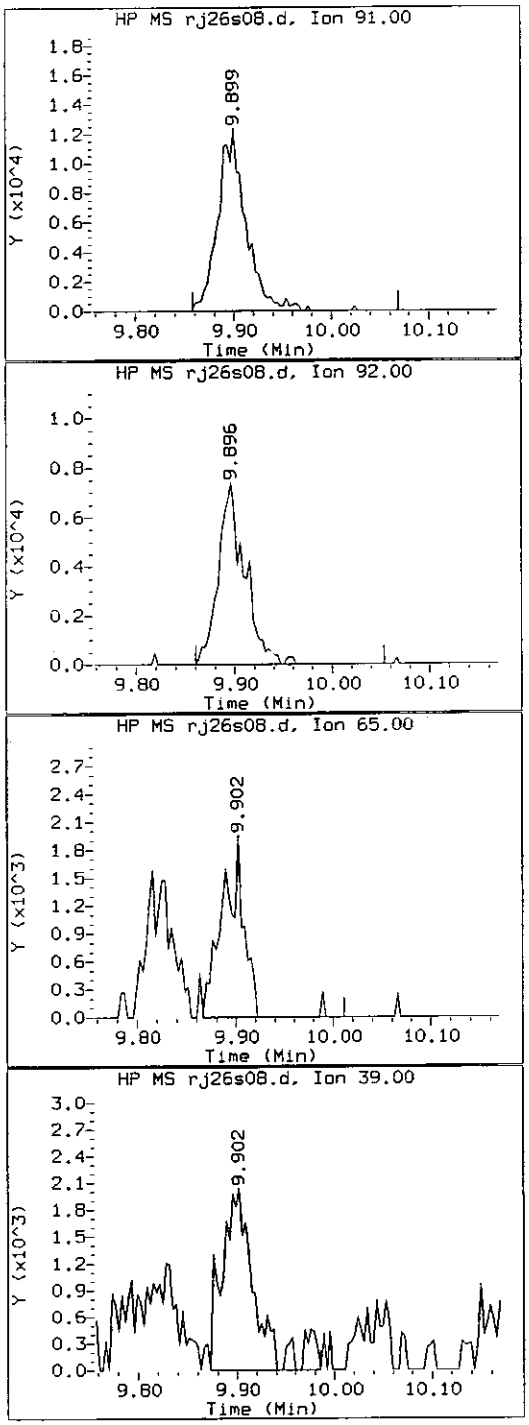


Sample Spectrum (Background Subtracted)



Sample Spectrum (Unaltered)





Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Injection date and time: 26-JAN-2006 22:15

Instrument ID: HP07566.i
Analyst ID: JML01693

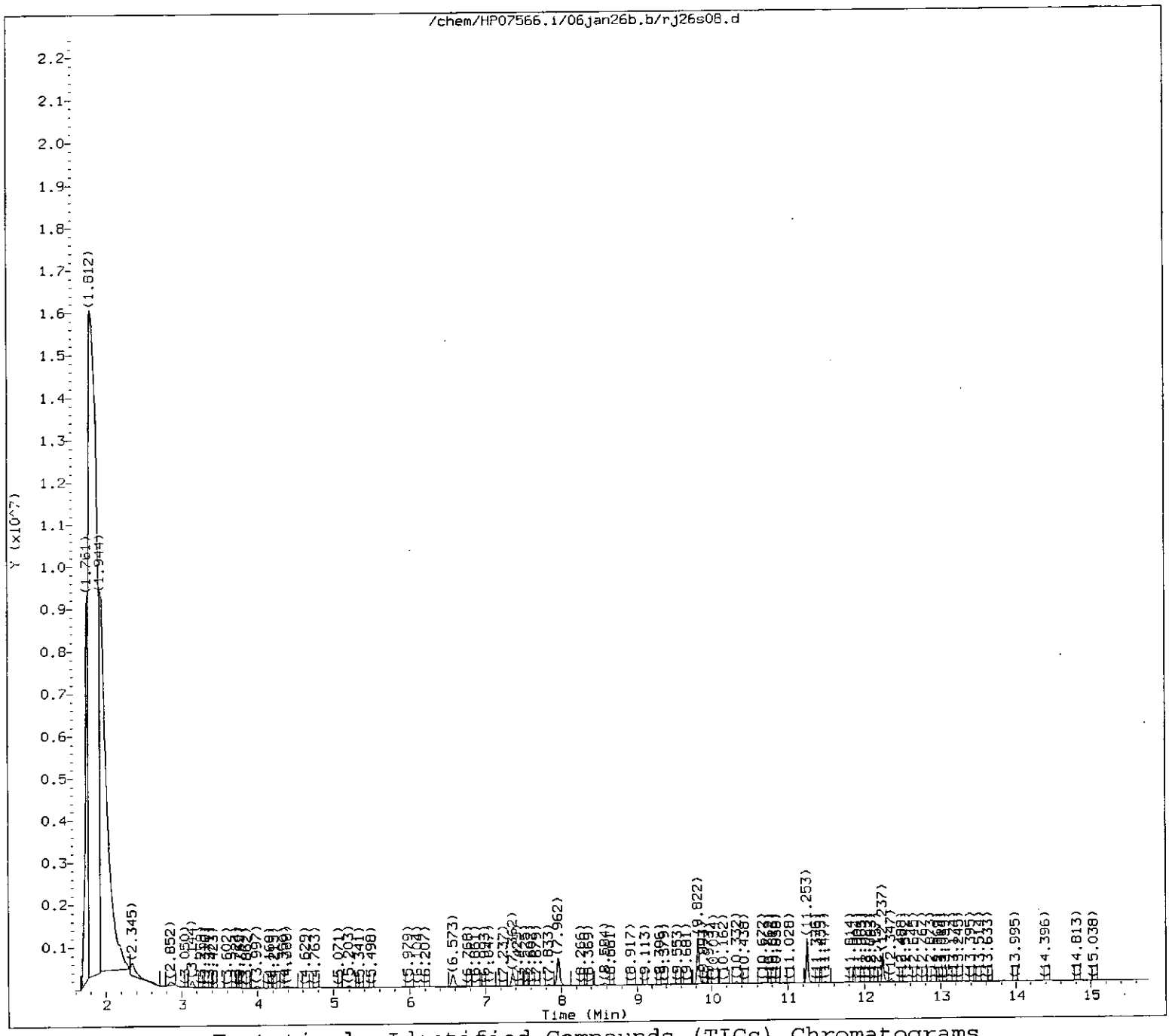
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008-

Lab Sample ID: 4692571

Compound Number	: 80
Compound Name	: Toluene
Scan Number	: 2590
Retention Time (minutes)	: 9.899
Quant Ion	: 91.0
Area (flag)	: 24178
Concentration (ug/Kg)	: 1.1783

0227



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

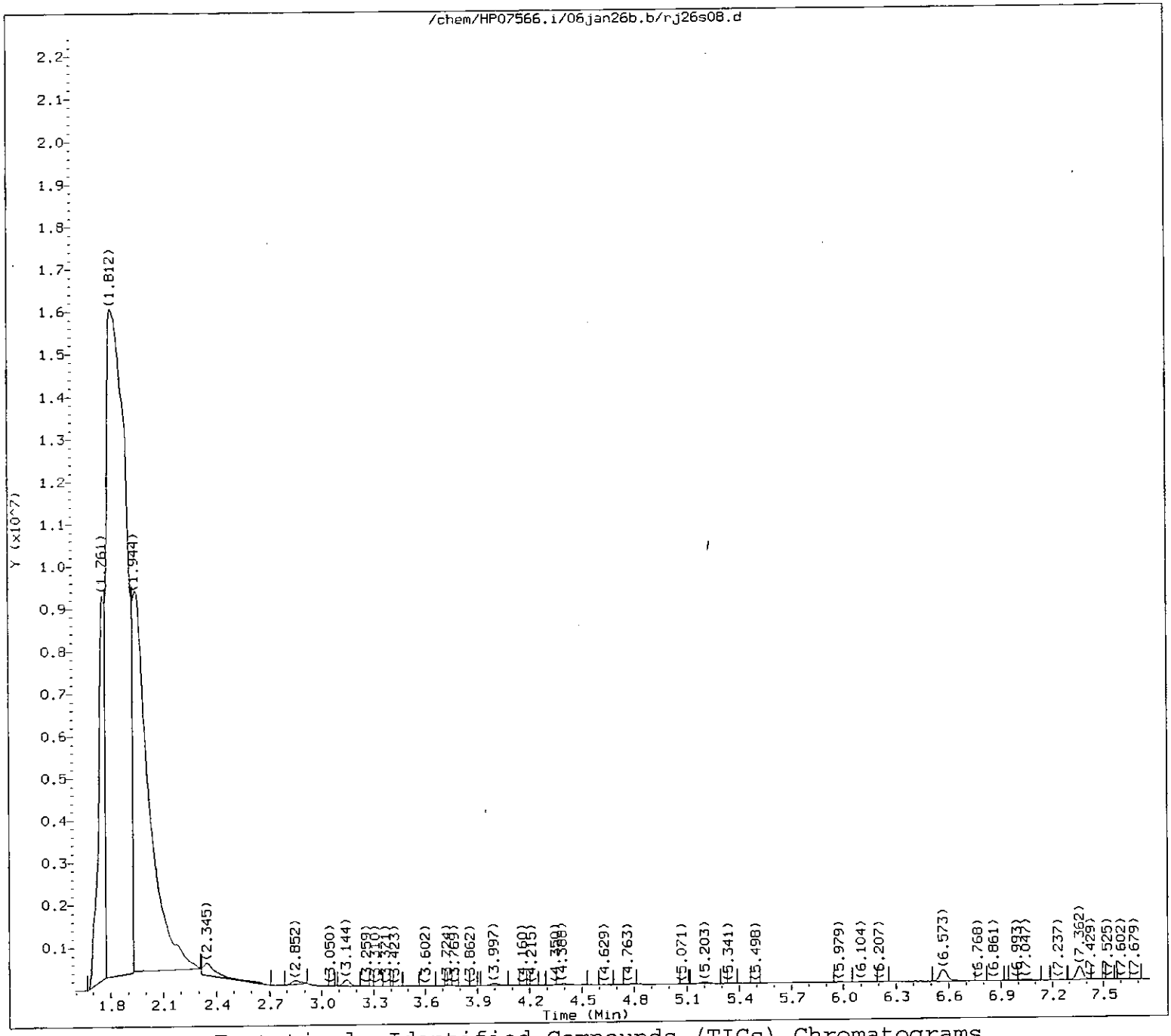
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008- Lab Sample ID: 4692571

Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 15.750

8228

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

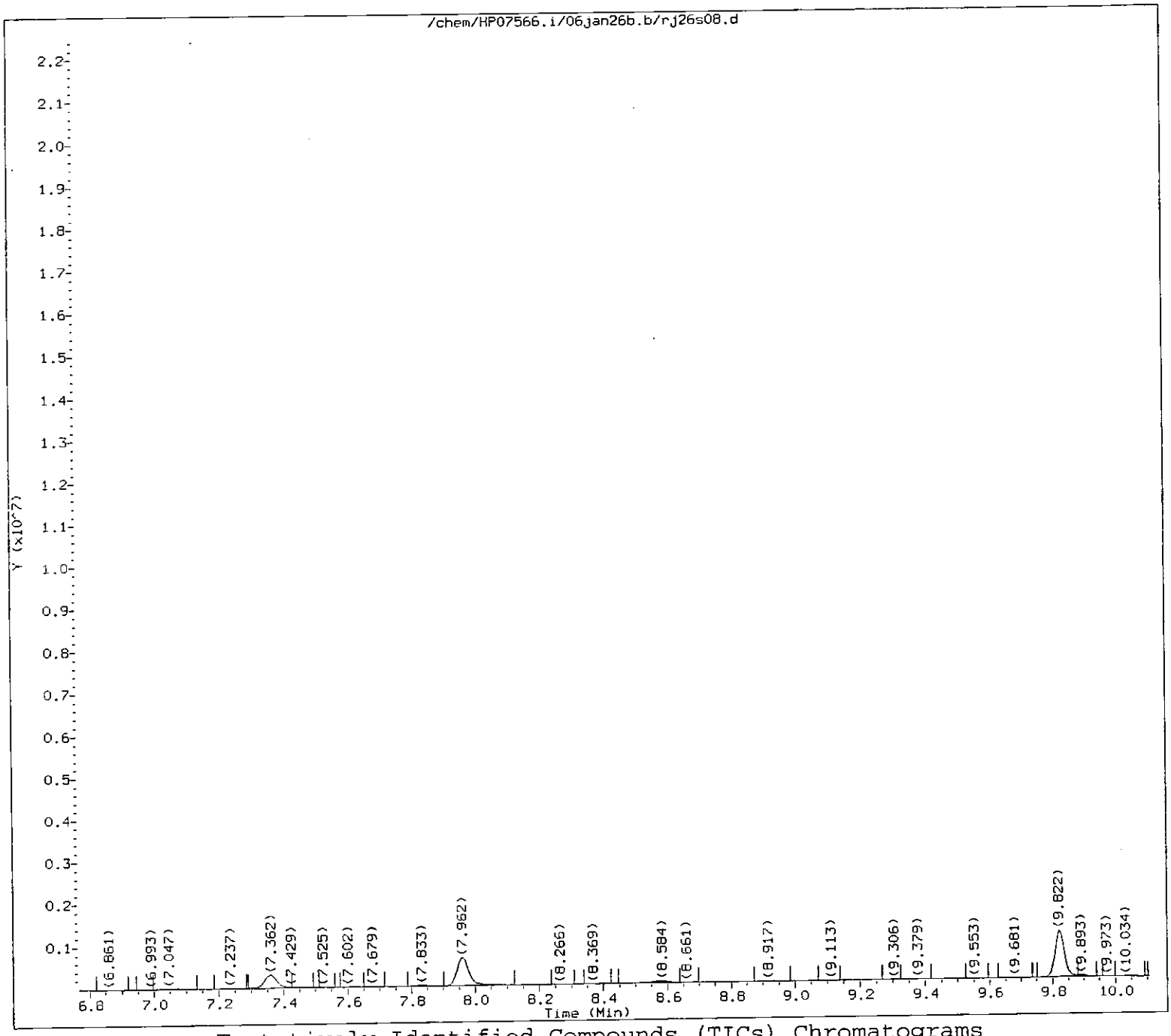
Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008- Lab Sample ID: 4692571

Internal Standard referenced: Bromochloromethane at 6.573 minutes
Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 7.265

8229

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

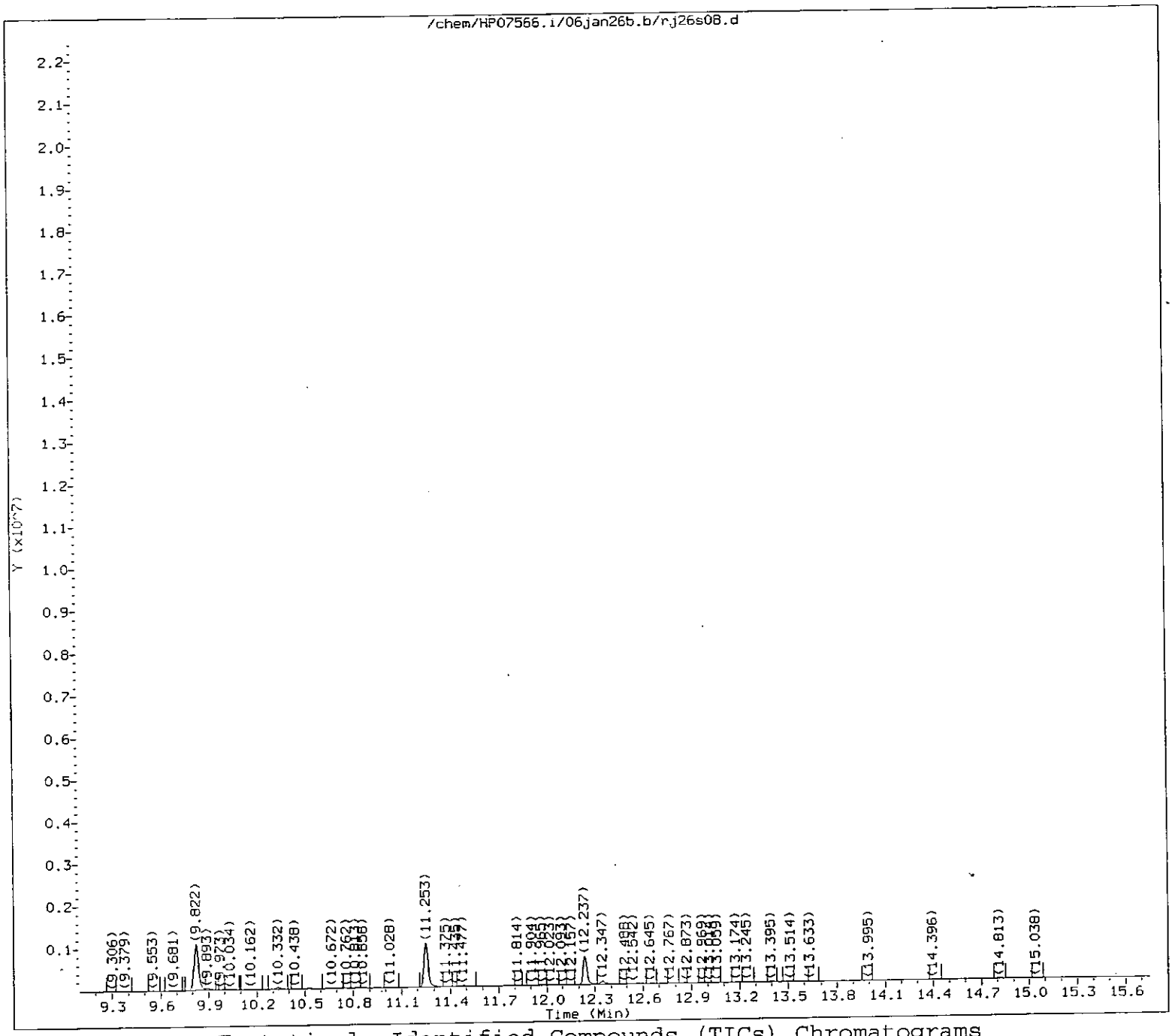
Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008- Lab Sample ID: 4692571

Internal Standard referenced: 1,4-Difluorobenzene at 7.958 minutes
Chromatogram Start Time (min.): 7.265
Chromatogram End Time (min.): 9.605

0238



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:15 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:38 sam00983

Sample Name: 6008- , Lab Sample ID: 4692571

Internal Standard referenced: Chlorobenzene-d5 at 11.253 minutes
Chromatogram Start Time (min.): 9.605
Chromatogram End Time (min.): 15.750

0231

1/30/06

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26s08.d
Lab Smp Id: 4692571 Client Smp ID: 6008-
Inj Date : 26-JAN-2006 22:15
Operator : JML01693 Inst ID: HP07566.i
Smp Info : 6008-;4692571;2;0;;
Misc Info : 7157.sub;R060261AA;6.06;;5;;rj26b01;193B;
Comment : Max. number of TICs to report is 31, 7 TICs were found initially.
Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m
Meth Date : 31-Jan-2006 08:01 sam00983 Quant Type: ISTD
Cal Date : 26-JAN-2006 16:59 Cal File: rj26c01.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7157.sub
Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Purge Volume
Ws	6.06000	Soil Weight

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Bromochloromethane	6.573	858851	50.000
* 91 Chlorobenzene-d5	11.253	1911985	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.345	1674590	97.4900621	80.43734	0		0	43
Unknown				CAS #:			
2.852	323111	18.8106297	15.52032	0		0	43

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d
Report Date: 03-Feb-2006 11:41

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Pentane				CAS #: 109-66-0			
3.144	421684	24.5493049	20.25520	80	NIST98.1	4653	43
Pentane, 2-methyl-				CAS #: 107-83-5			
4.388	151113	8.79739015	7.2586	87	NIST98.1	4652	43
Hexane				CAS #: 110-54-3			
5.203	149318	8.69287779	7.1723	90	NIST98.1	16315	43
Unknown aliphatic				CAS #:			
7.047	95945	5.58565908	4.6086	0		0	43
Unknown siloxane				CAS #:			
12.347	195310	5.10752824	4.2141	0		0	91

MMBy 2/3/06

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

Operator: JML01693

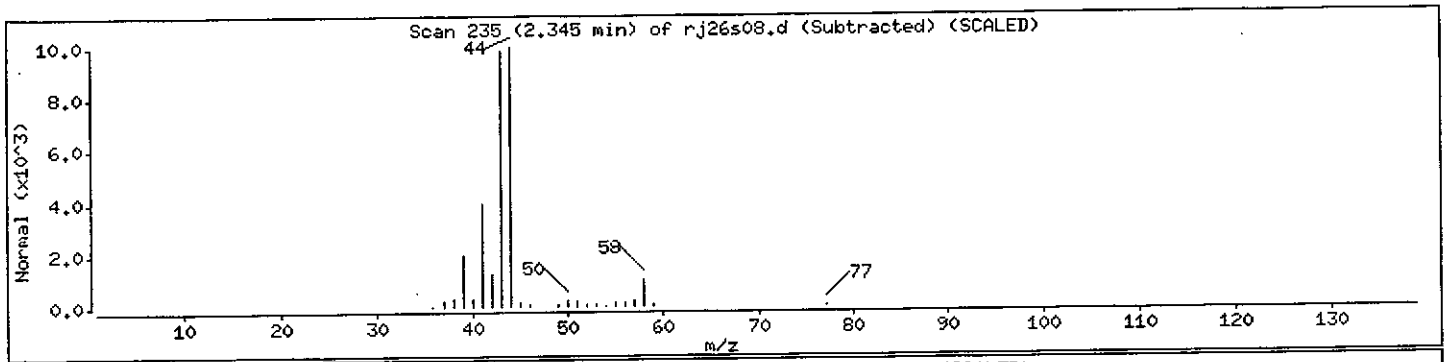
Column phase: DB-624

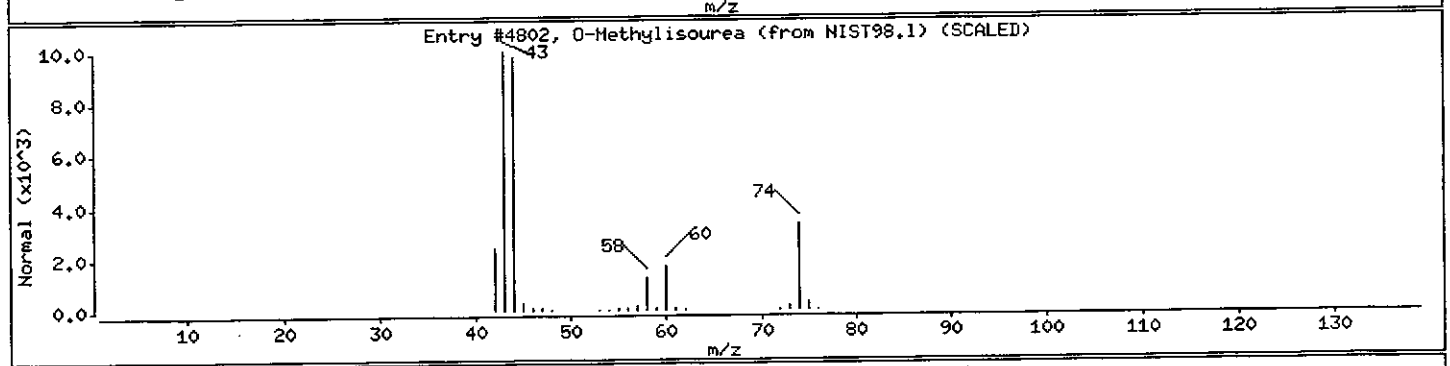
Column diameter: 0.25

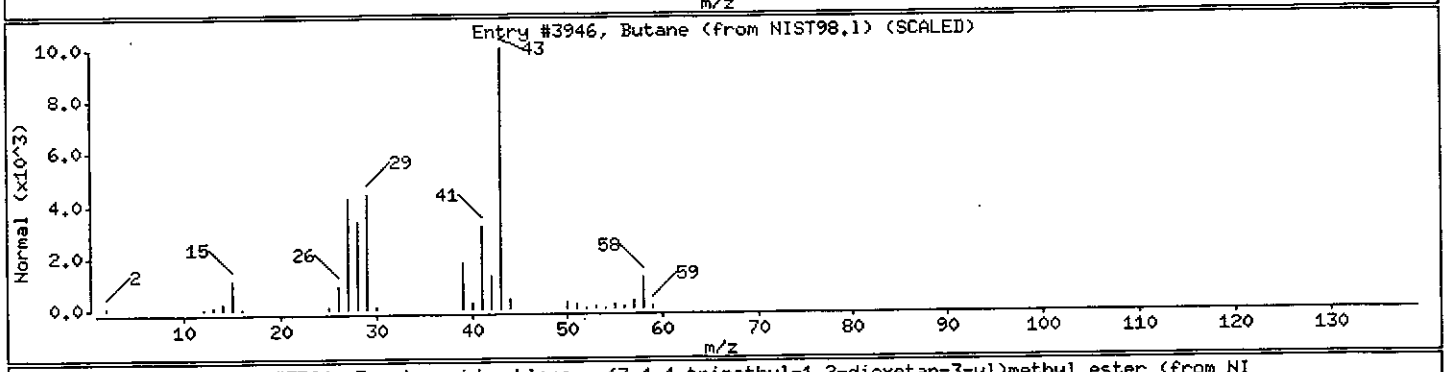
Review Code:

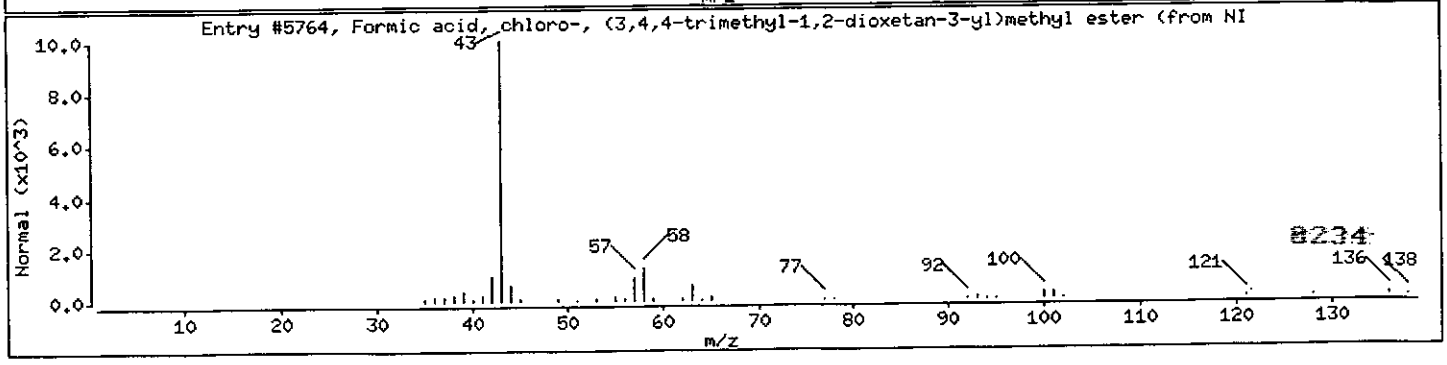
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
O-Methylisourea	1000130-40-4	NIST98.1	4802	40	C2H6N2O	74
Butane	106-97-8	NIST98.1	3946	22	C4H10	58
Formic acid, chloro-, (3,4,4-trimethyl-1	107323-92-2	NIST98.1	5764	10	C7H11ClO4	194









Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

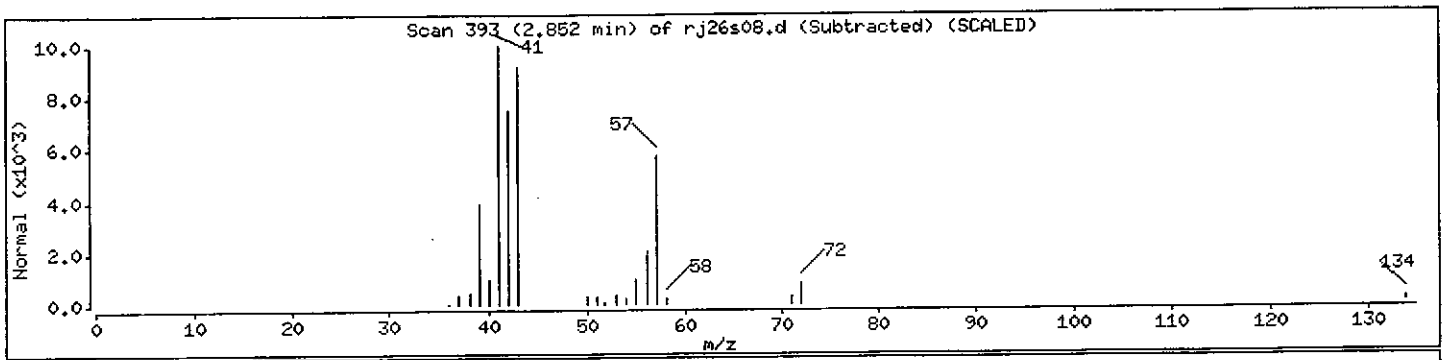
Operator: JML01693

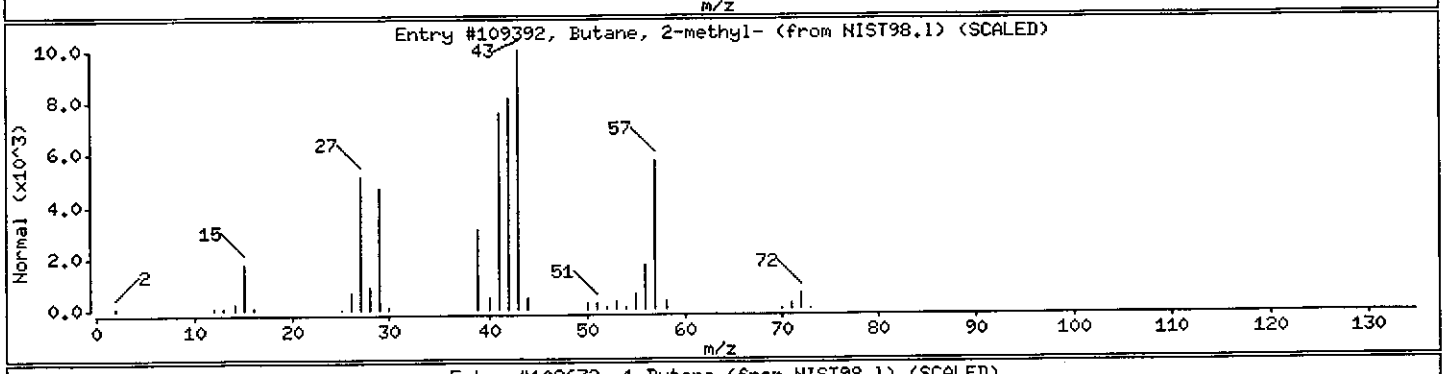
Column phase: DB-624

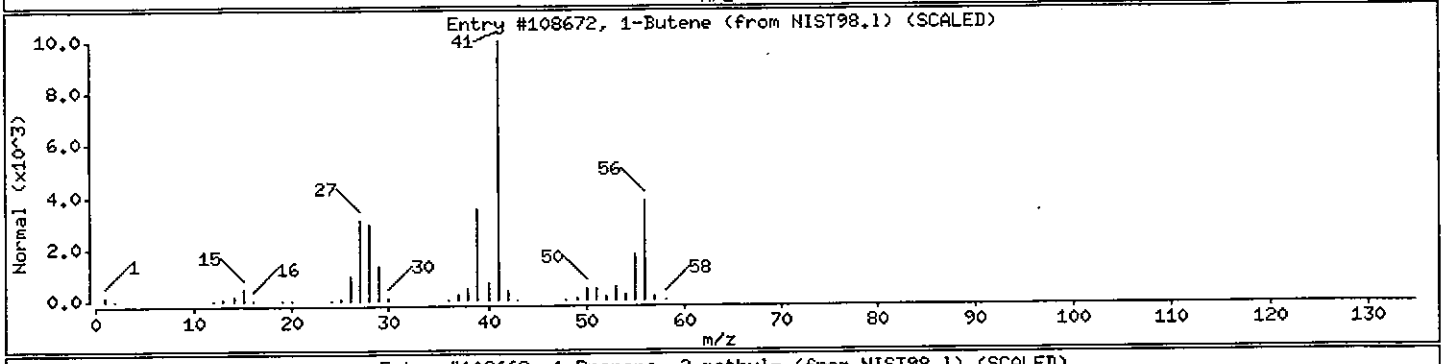
Column diameter: 0.25

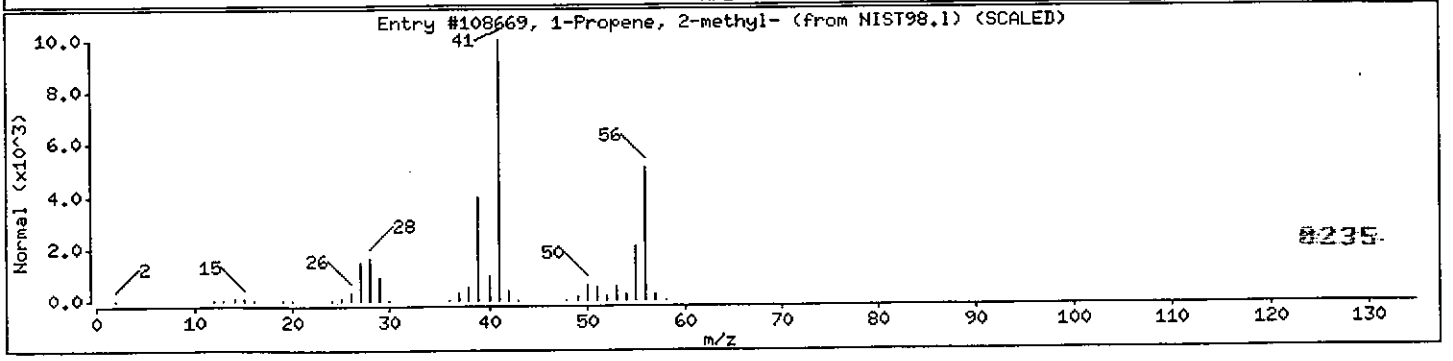
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NIST98.1	109392	64	C5H12	72
1-Butene	106-98-9	NIST98.1	108672	38	C4H8	56
1-Propene, 2-methyl-	115-11-7	NIST98.1	108669	38	C4H8	56









8235

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

Operator: JML01693

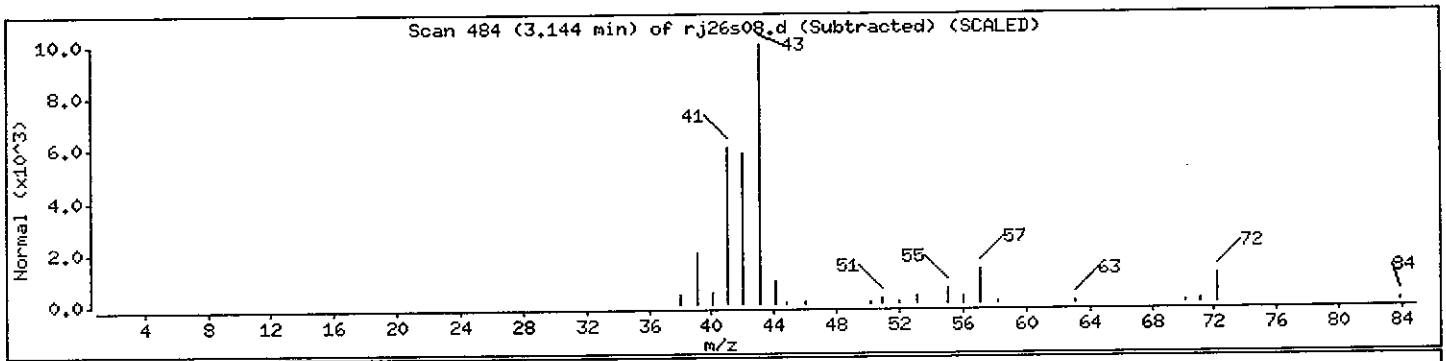
Column phase: DB-624

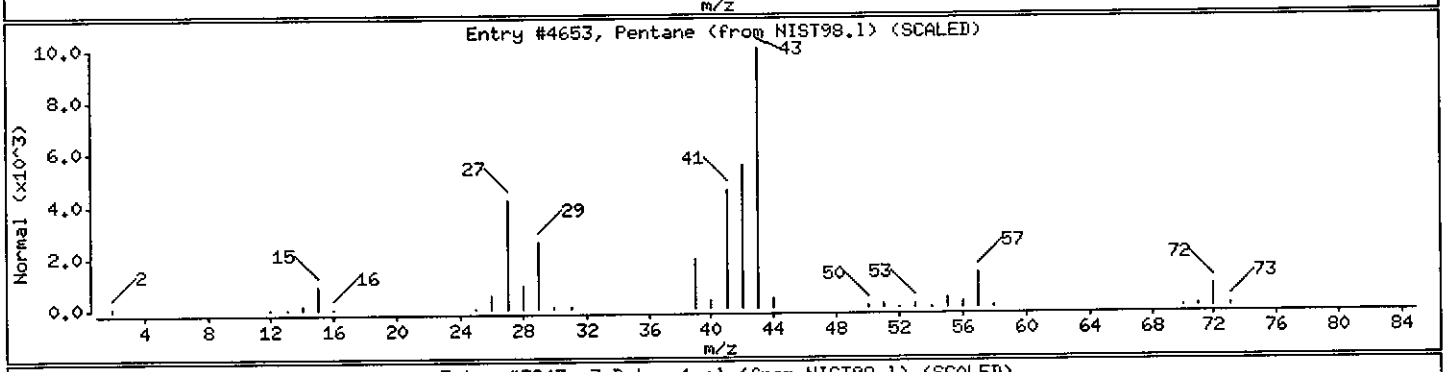
Column diameter: 0.25

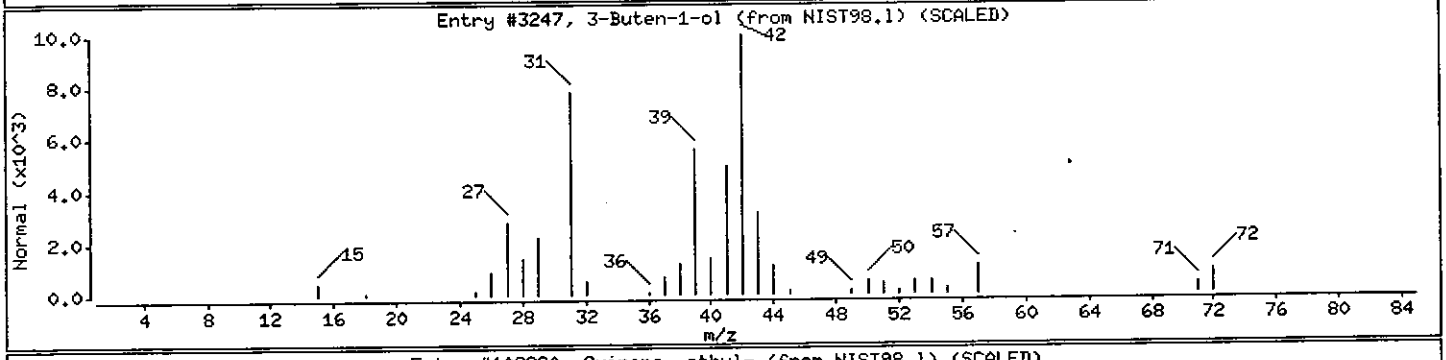
Review Code:

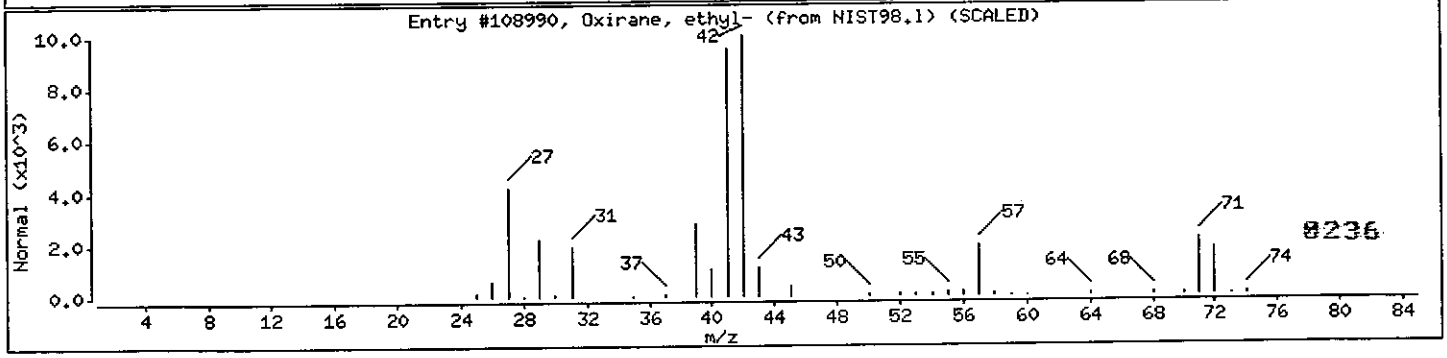
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NIST98.1	4653	80	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	3247	50	C4H8O	72
Oxirane, ethyl-	106-88-7	NIST98.1	108990	47	C4H8O	72









Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Instrument: HP07566.i

Sample Info: 6008-;4692571;2;0;;

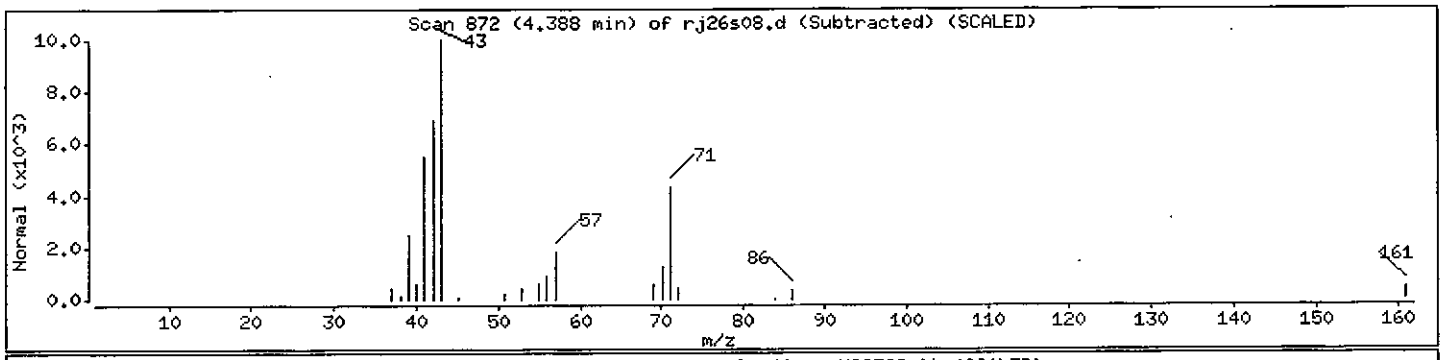
Operator: JHL01693

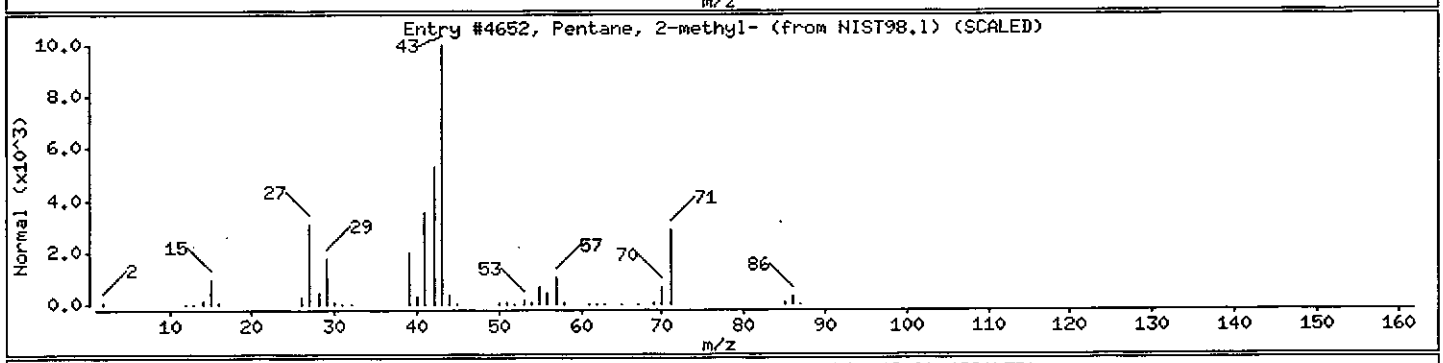
Column phase: DB-624

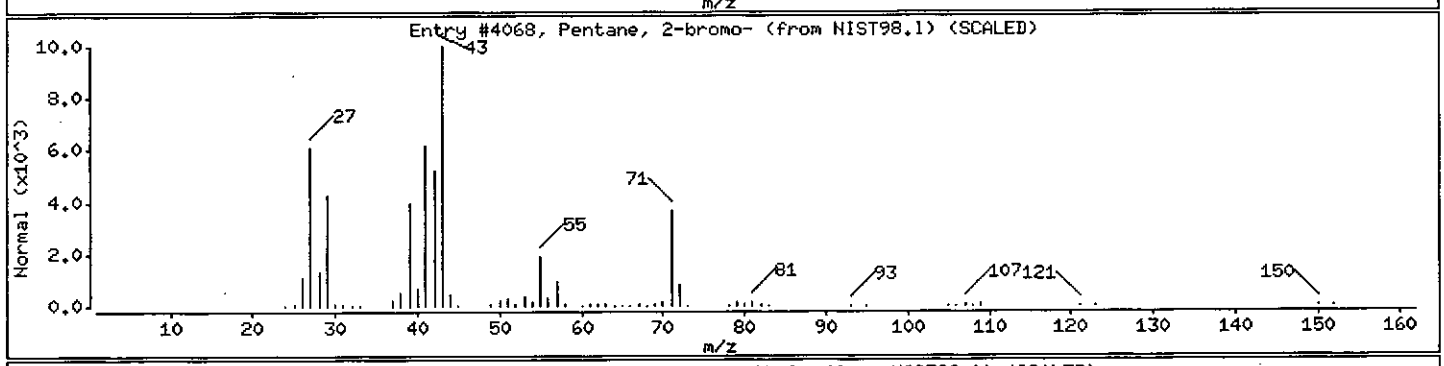
Column diameter: 0.25

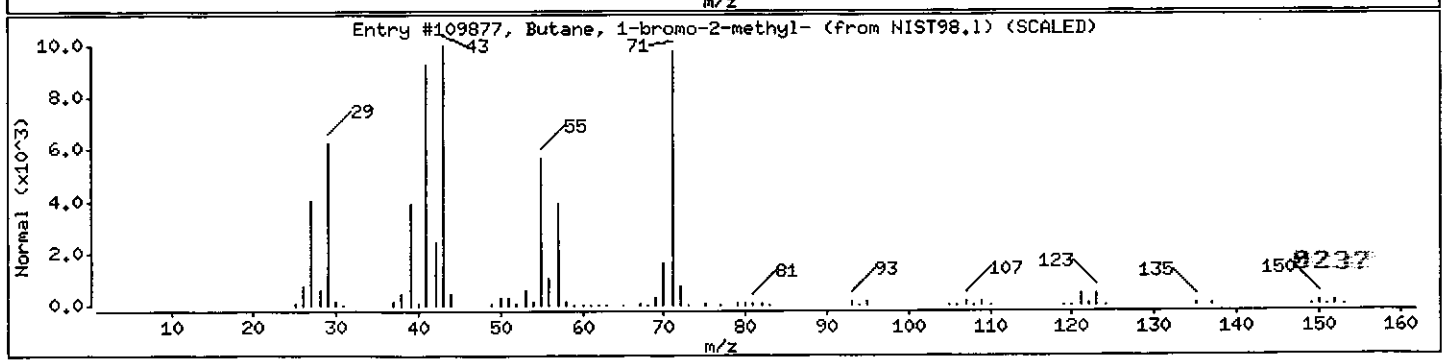
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2-methyl-	107-83-5	NIST98.1	4652	87	C6H14	86
Pentane, 2-bromo-	107-81-3	NIST98.1	4068	45	C5H11Br	150
Butane, 1-bromo-2-methyl-	10422-35-2	NIST98.1	109877	38	C5H11Br	150









Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

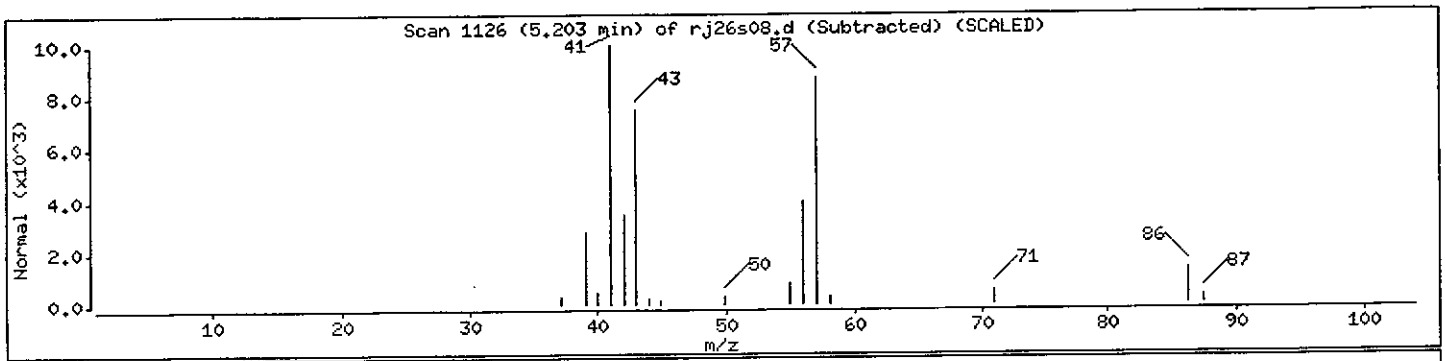
Operator: JML01693

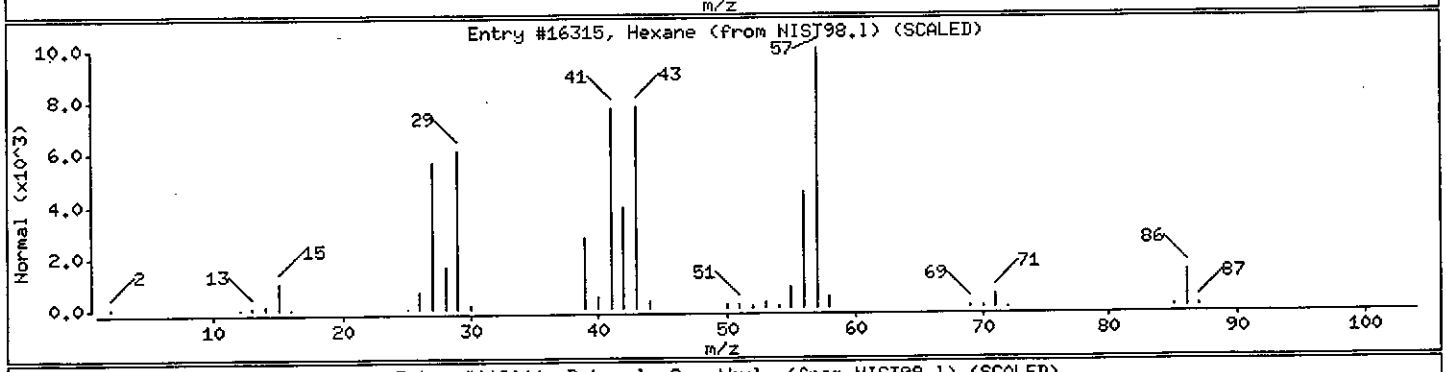
Column phase: DB-624

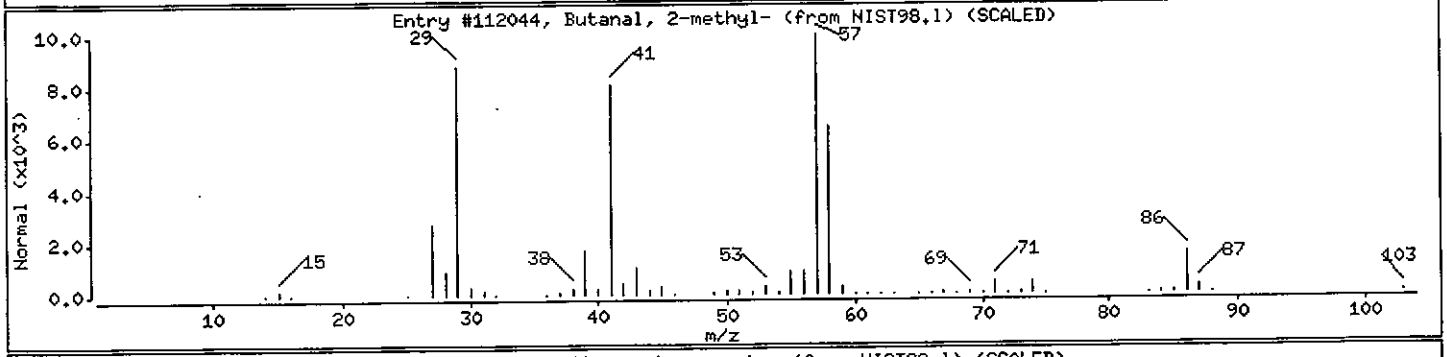
Column diameter: 0.25

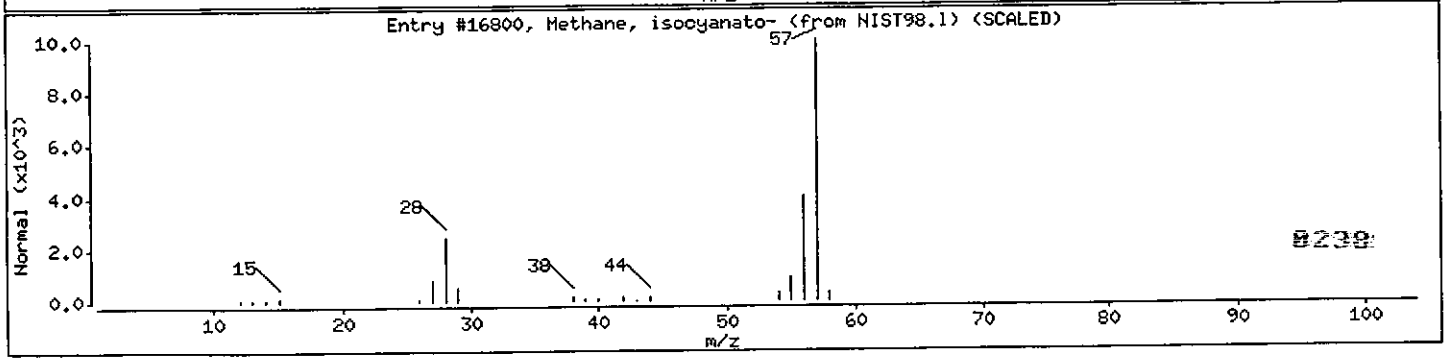
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NIST98.1	16315	90	C6H14	86
Butanal, 2-methyl-	96-17-3	NIST98.1	112044	38	C5H10O	86
Methane, isocyanato-	624-83-9	NIST98.1	16800	25	C2H3NO	57









#238

Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

Operator: JML01693

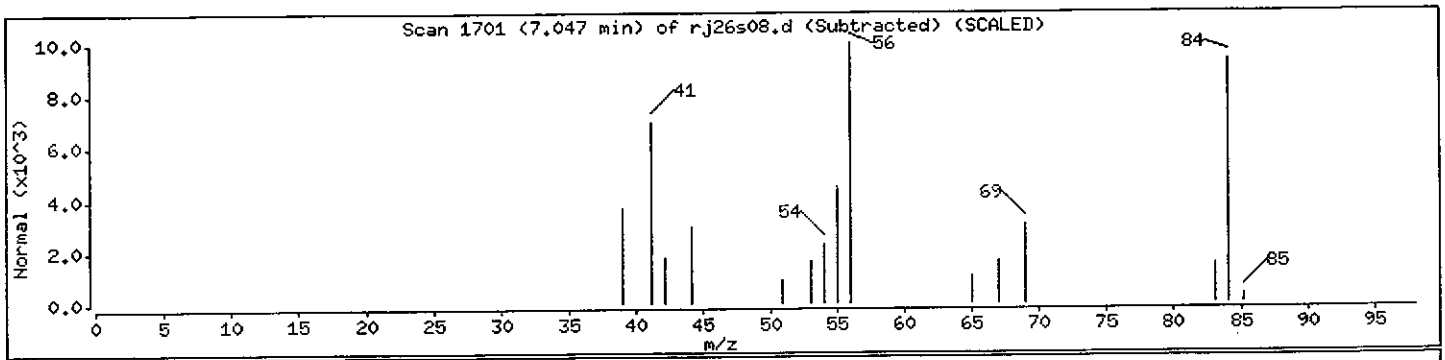
Column phase: DB-624

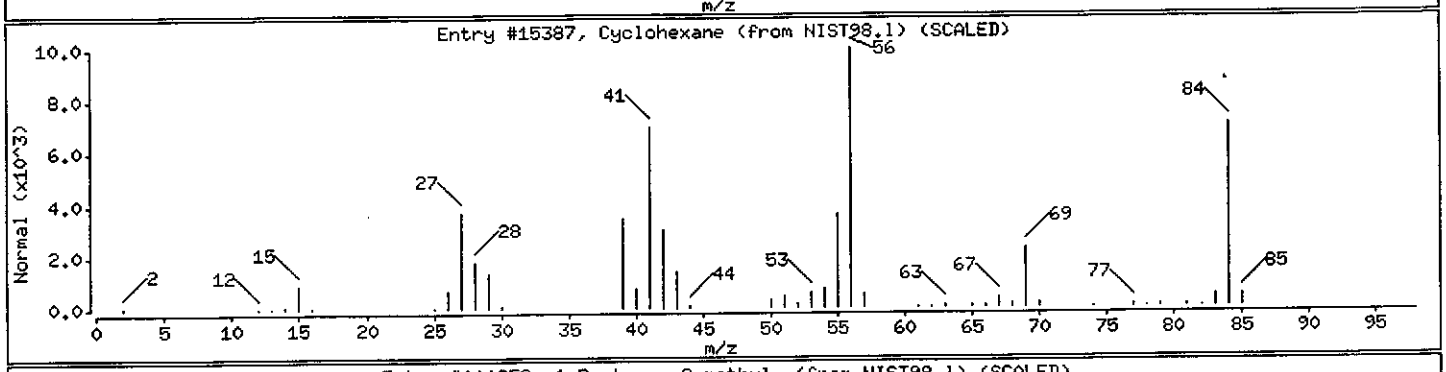
Column diameter: 0.25

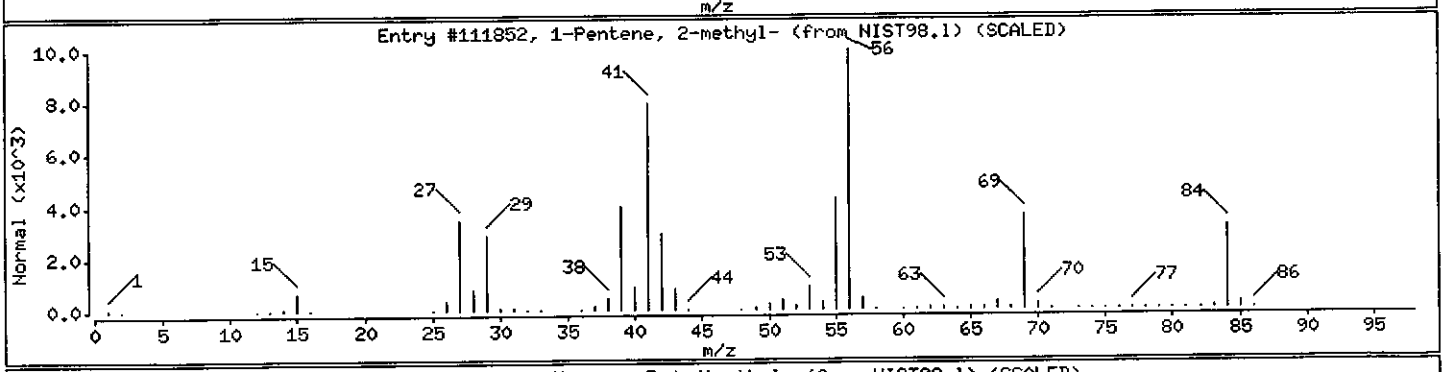
Review Code:

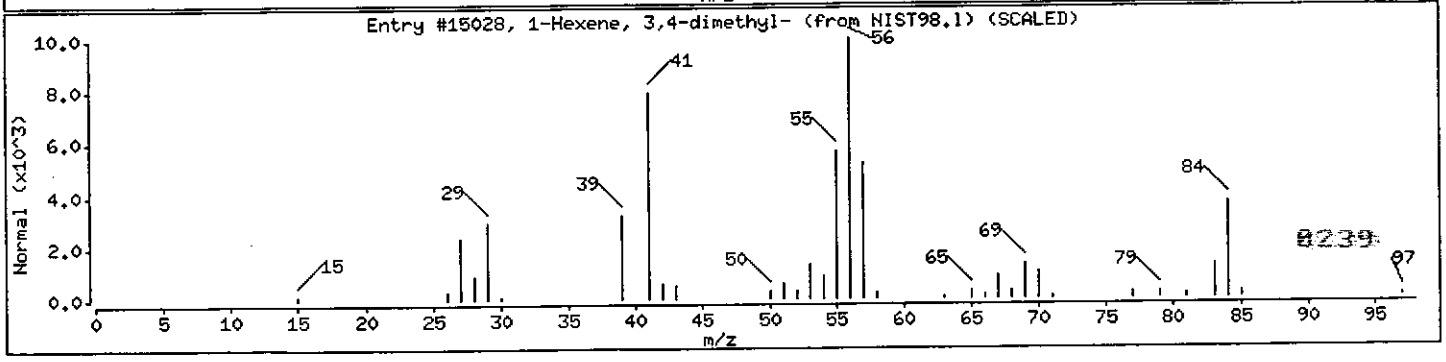
Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane	110-82-7	NIST98.1	15387	53	C6H12	84
1-Pentene, 2-methyl-	763-29-1	NIST98.1	111852	42	C6H12	84
1-Hexene, 3,4-dimethyl-	16745-94-1	NIST98.1	15028	32	C8H16	112









Data File: /chem/HP07566.i/06jan26b.b/rj26s08.d

Date : 26-JAN-2006 22:15

Client ID: 6008-

Sample Info: 6008-;4692571;2;0;;

Instrument: HP07566.i

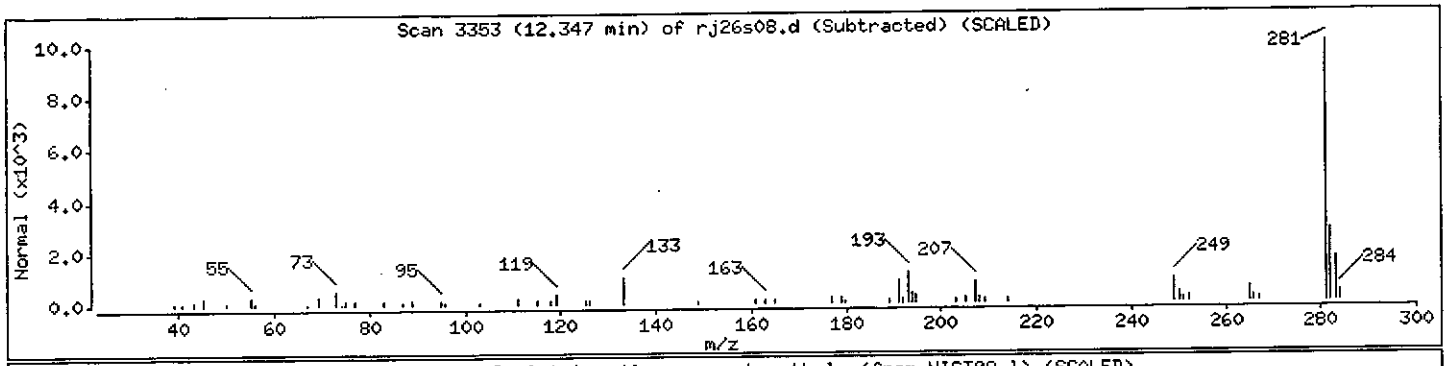
Operator: JML01693

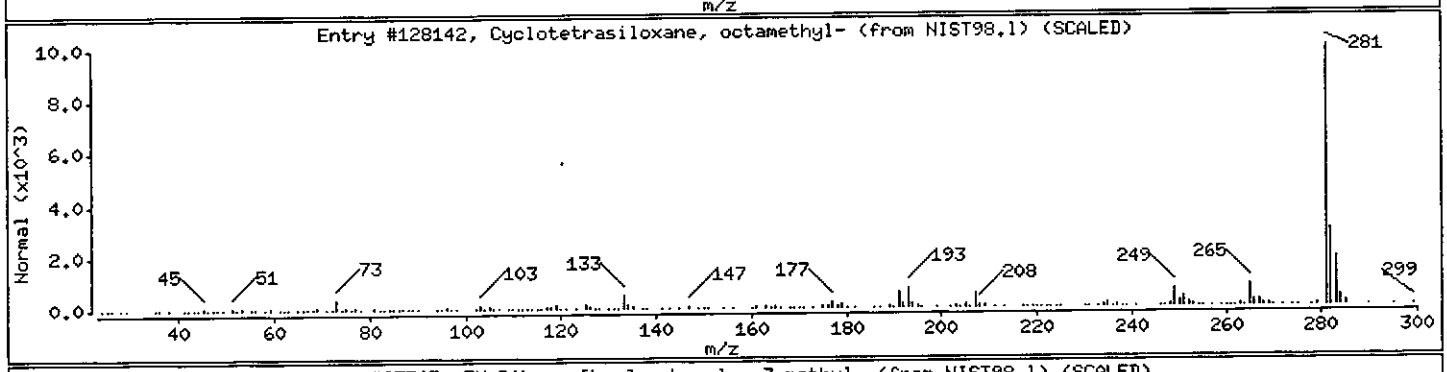
Column phase: DB-624

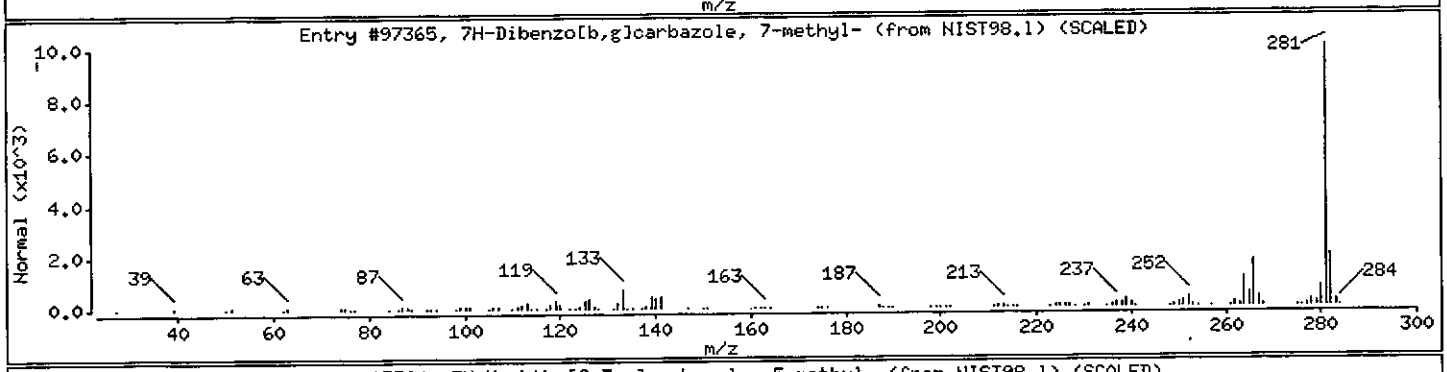
Column diameter: 0.25

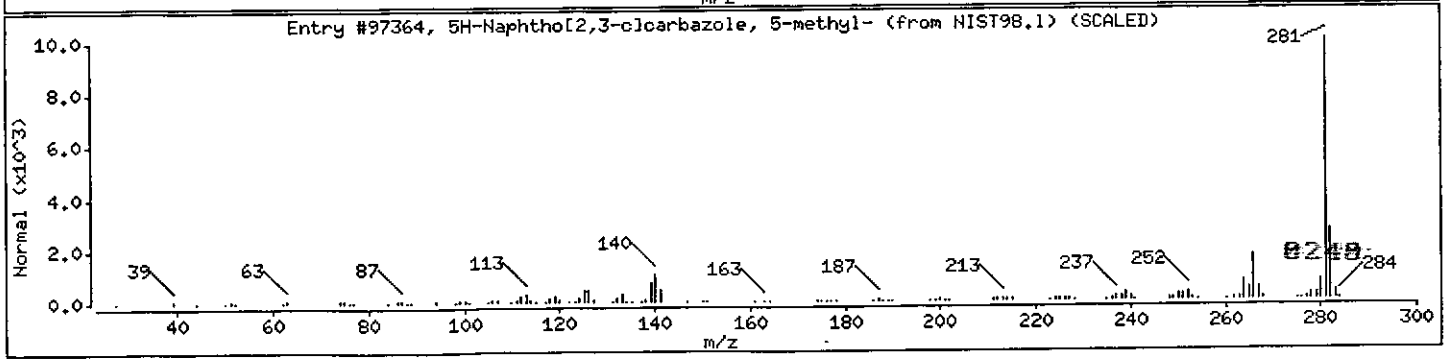
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.1	128142	87	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.1	97365	42	C21H15N	281
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	NIST98.1	97364	42	C21H15N	281









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 6.11 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s09.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	11	
75-15-0	Carbon Disulfide	6	J
75-09-2	Methylene Chloride	2	U
75-34-3	1,1-Dichloroethane	0.9	U
540-59-0	1,2-Dichloroethene (Total)	2	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	0.9	U
71-55-6	1,1,1-Trichloroethane	0.9	U
56-23-5	Carbon Tetrachloride	0.9	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	0.9	U
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	0.9	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	0.9	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	0.9	U
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	0.9	U
108-90-7	Chlorobenzene	0.9	U
100-41-4	Ethylbenzene	0.9	U
1330-20-7	Xylene (Total)	0.9	U

0241

FORM I VOA OLM03.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 6.11 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s09.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL ug/Kg	Q
100-42-5	Styrene	0.9	U
75-25-2	Bromoform	0.9	U
79-34-5	1,1,2,2-Tetrachloroethane	0.9	U

8242

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6010-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692572

Sample wt/vol: 6.11 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s09.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec. 13 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.34	300	J
2. 78-78-4	Butane, 2-methyl-	2.85	76	NJ
3. 109-66-0	Pentane	3.14	41	NJ
4.	Unknown alkane	4.40	14	J
5.	Unknown	4.79	6	J
6.	Unknown aliphatic	5.20	10	J
7.	Unknown	6.11	6	J
8.	Unknown aliphatic	7.05	8	J
9. 108-87-2	Cyclohexane, methyl-	8.58	5	NJ
10.	Unknown siloxane	12.35	6	J B
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
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23.				
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25.				
26.				
27.				
28.				
29.				
30.				

0243

FORM I VOA-TIC OLM03.0

6010-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692572

File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Sample: 6010-;4692572;2;0;;
Injected At:26-JAN-2006 22:42
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.82
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.1100 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.570(0.002)	1552	128	101563(-21)	50.00	
58) 1,4-Difluorobenzene	7.959(-0.001)	1985	114	634505(-23)	50.00	
91) Chlorobenzene-d5	11.253(-0.001)	3012	117	534429(-30)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.356(-0.001)	65	369286	54.790	110%		70 - 121
78) Toluene-d8	(3)	9.823(0.000)	98	767391	54.252	108%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.238(0.000)	95	222703	38.886	78%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.64	8.18
3) Vinyl Chloride	(1)				ND	ND			1.64	8.18
5) Bromomethane	(1)				ND	ND			2.45	8.18
6) Chloroethane	(1)				ND	ND			2.45	8.18
10) 1,1-Dichloroethene	(1)				ND	ND			1.64	8.18
16) Acetone	(1)	3.709(0.001)	43	28345	12.000	9.82			5.73	8.18
18) Carbon Disulfide	(1)	4.001(0.000)	76	112178	6.594	5.40		J	2.45	8.18
22) Methylene Chloride	(1)				ND	ND			1.64	8.18
26) trans-1,2-Dichloroethene	(1)				ND	ND			1.64	8.18
31) 1,1-Dichloroethane	(1)				ND	ND			0.82	8.18
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.64	8.18
40) 2-Butanone	(1)				ND	ND			5.73	8.18
45) Chloroform	(1)				ND	ND			0.82	8.18
46) 1,1,1-Trichloroethane	(2)				ND	ND			0.82	8.18
49) Carbon Tetrachloride	(2)				ND	ND			0.82	8.18
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.64	8.18
52) Benzene	(2)	7.449(0.000)	78	22910	1.105	0.90		J	0.82	8.18
53) 1,2-Dichloroethane	(1)				ND	ND			1.64	8.18
61) Trichloroethene	(2)				ND	ND			0.82	8.18
66) 1,2-Dichloropropane	(2)				ND	ND			2.45	8.18
71) Bromodichloromethane	(2)				ND	ND			1.64	8.18
75) cis-1,3-Dichloropropene	(2)				ND	ND			0.82	8.18
76) 4-Methyl-2-Pentanone	(3)				ND	ND			2.45	8.18
80) Toluene	(3)	9.896(0.000)	91	38139	1.898	1.55		J	0.82	8.18

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

6010-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692572

File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Sample: 6010-;4692572;2;0;;
Injected At:26-JAN-2006 22:42
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.82
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.1100 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			0.82	8.18
83) 1,1,2-Trichloroethane	(2)					ND	ND			1.64	8.18
85) Tetrachloroethene	(3)					ND	ND			0.82	8.18
87) 2-Hexanone	(3)					ND	ND			2.45	8.18
88) Dibromochloromethane	(2)					ND	ND			0.82	8.18
92) Chlorobenzene	(3)					ND	ND			0.82	8.18
94) Ethylbenzene	(3)					ND	ND			0.82	8.18
95) m+p-Xylene	(3)					ND	ND			0.82	8.18
96) Xylene (Total)	(3)					ND	ND			0.82	8.18
97) o-Xylene	(3)					ND	ND			0.82	8.18
98) Styrene	(3)					ND	ND			0.82	8.18
99) Bromoform	(2)					ND	ND			0.82	8.18
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			0.82	8.18

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: SM9378

Analyst: [signature] Date: 1/31/06

Auditor: [signature] Date: 2/2/06

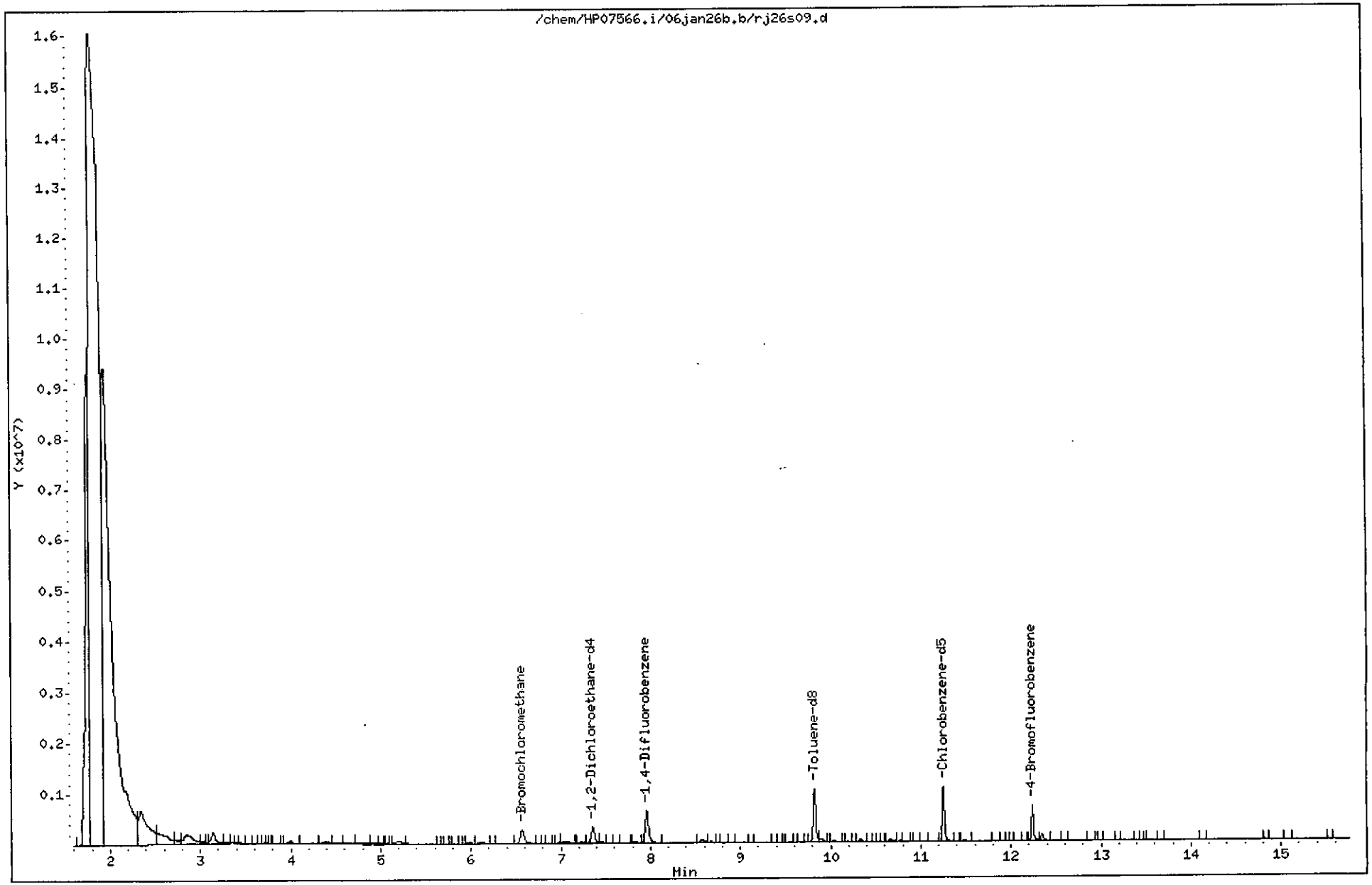
0245

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Date : 26-JAN-2006 22:42
Client ID: 6010-
Sample Info: 6010-;4692572;2;0;;

Column phase: DB-624

Instrument: HP07566.i

Operator: JHL01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

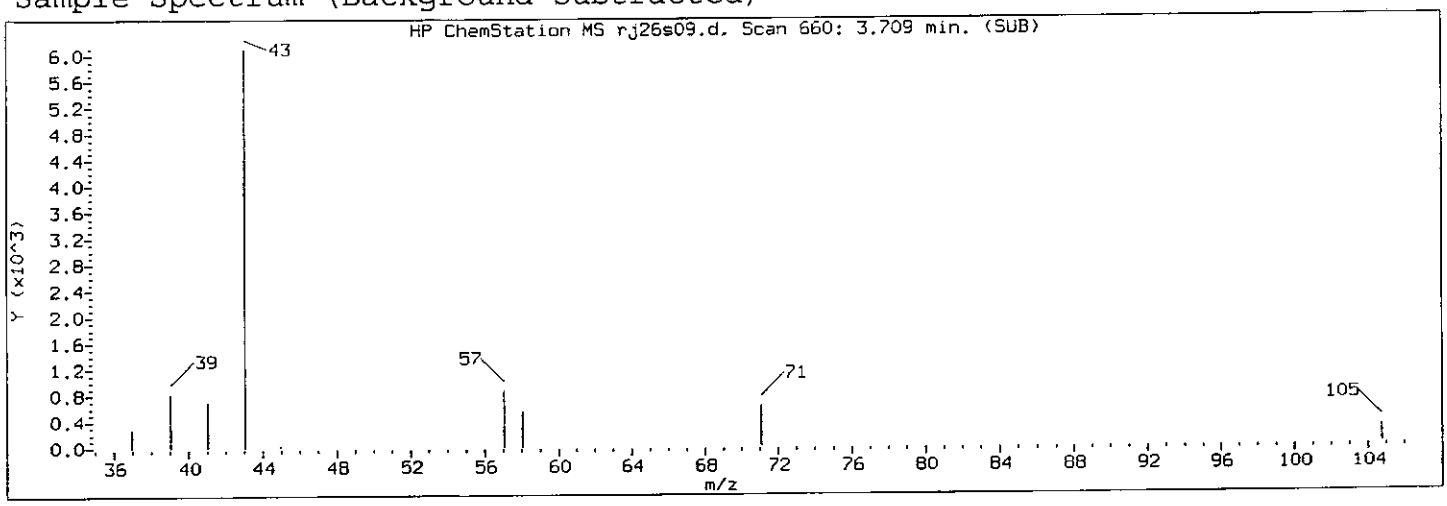
Sample Name: 6010- Lab Sample ID: 4692572

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
16) Acetone	(1)	3.709	43	28345M	12.000
18) Carbon Disulfide	(1)	4.001	76	112178	6.594
43) *Bromochloromethane	(1)	6.570	128	101563	50.000
52) Benzene	(2)	7.449	78	22910	1.105
58) *1,4-Difluorobenzene	(2)	7.959	114	634505	50.000
80) Toluene	(3)	9.896	91	38139	1.898
91) *Chlorobenzene-d5	(3)	11.253	117	534429	50.000
50) $1,2-Dichloroethane-d4	(1)	7.356	65	369286	54.790
78) $Toluene-d8	(3)	9.823	98	767391	54.252
103) $4-Bromofluorobenzene	(3)	12.238	95	222703	38.886

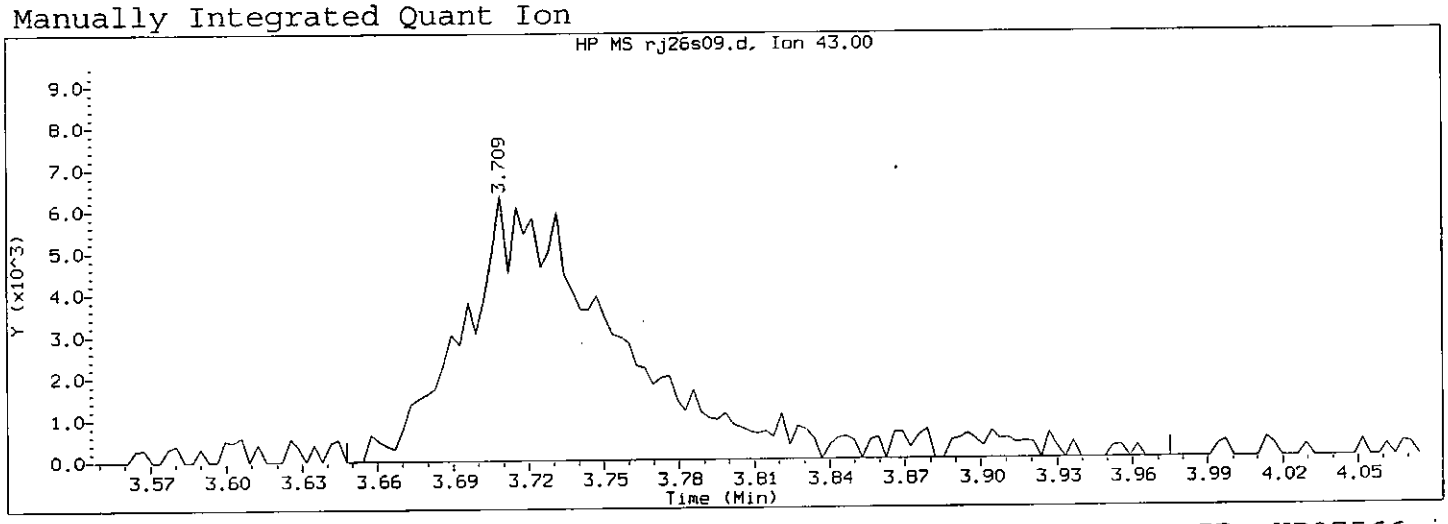
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010- Lab Sample ID: 4692572

Compound Number : 16
Compound Name : Acetone
Scan Number : 660
Retention Time (minutes): 3.709
Quant Ion : 43
Area (flag) : 28345 M
Concentration (ug/Kg) : 11.9995
Integration start scan : 640 Integration stop scan: 742
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

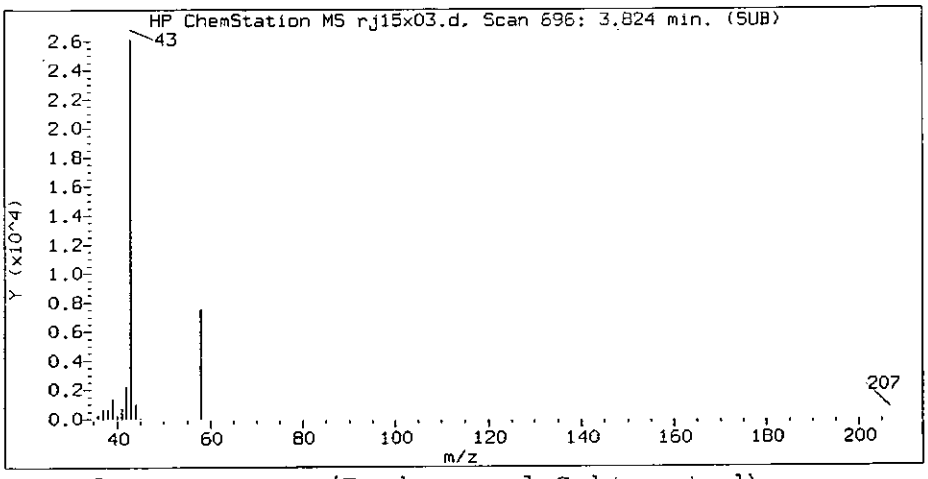
Analyst responsible for change: 1/31/06

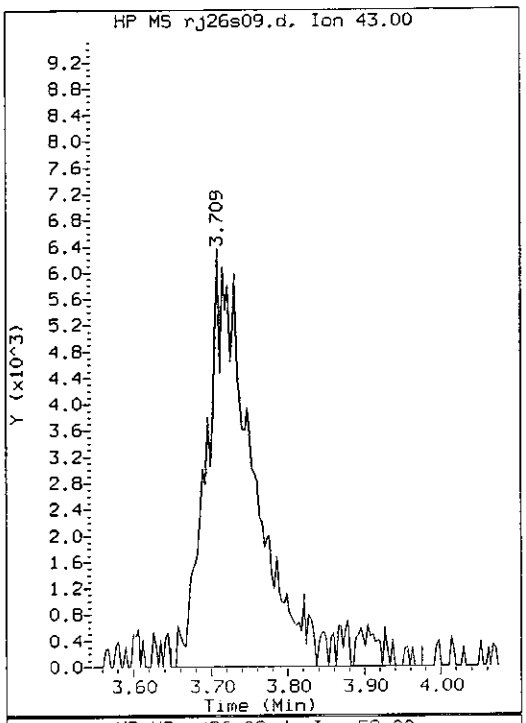
8248

GC/MS audit/management approval: 2/2/06

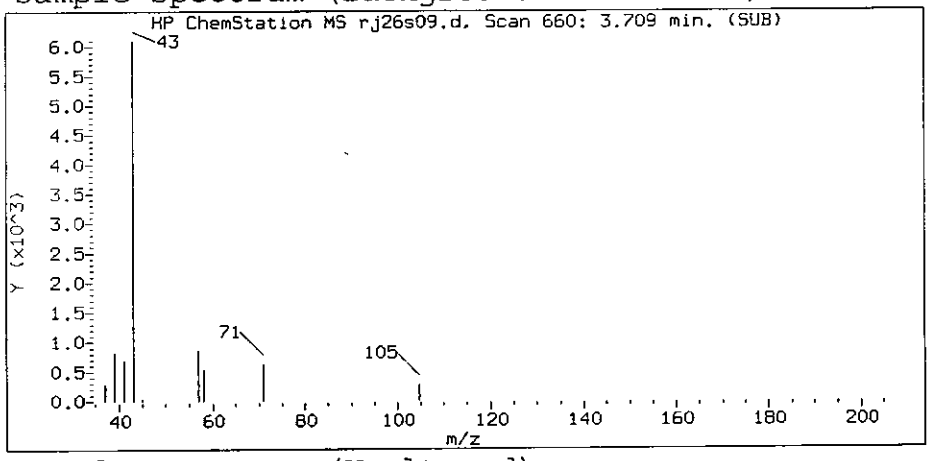
Manual Integration Report for data file /chem/HP07566.i/06jan26b.b/rj26s09.d, generated on 01/31/2006 at 08:40

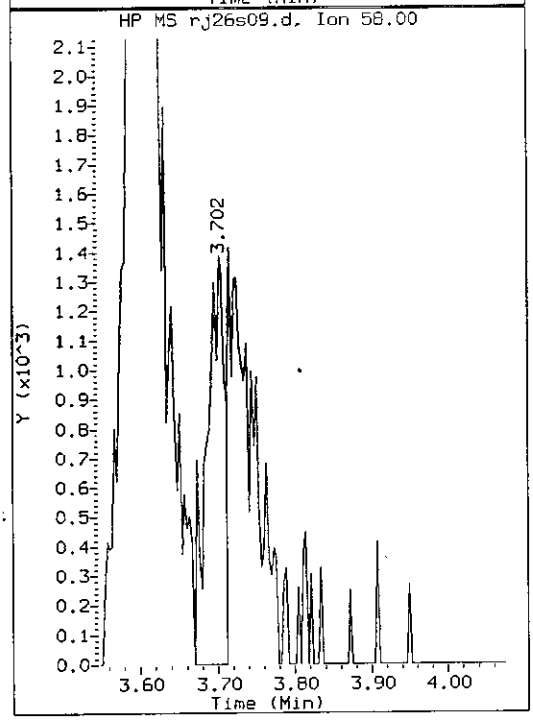
Reference Standard Spectrum for Acetone



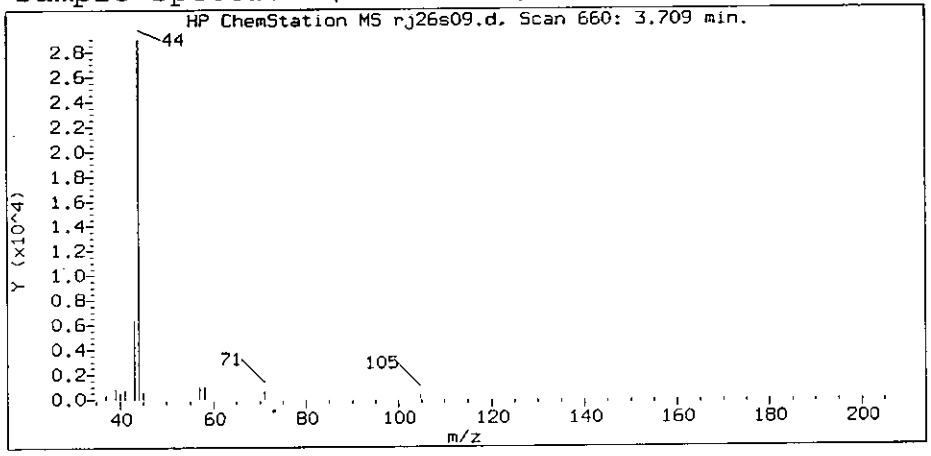


Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)



Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Injection date and time: 26-JAN-2006 22:42

Instrument ID: HP07566.i
Analyst ID: JML01693

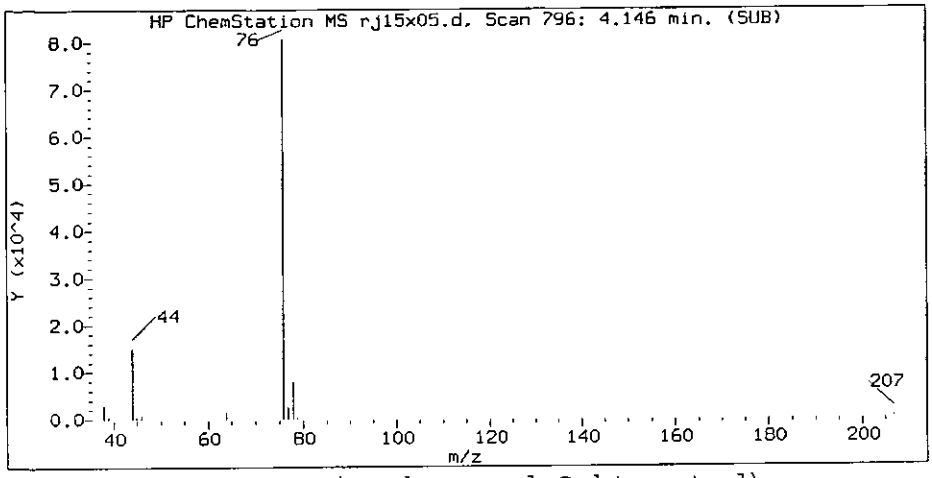
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

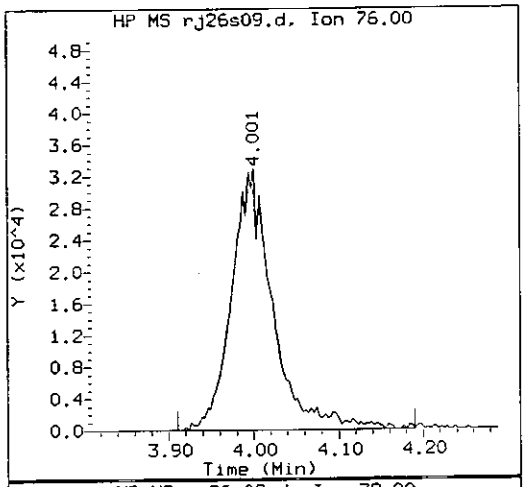
Sample Name: 6010-

Lab Sample ID: 4692572

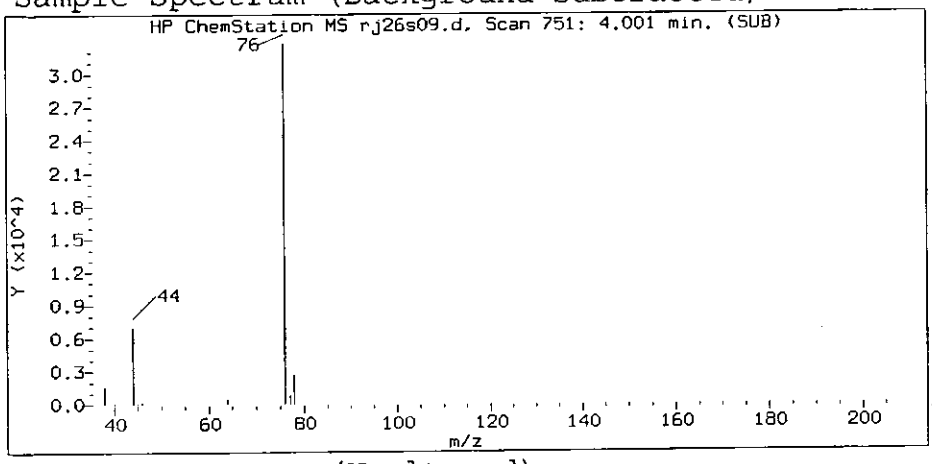
Compound Number	: 16
Compound Name	: Acetone
Scan Number	: 660
Retention Time (minutes)	: 3.709
Quant Ion	: 43.0
Area (flag)	: 28345 M
Concentration (ug/Kg)	: 11.9995

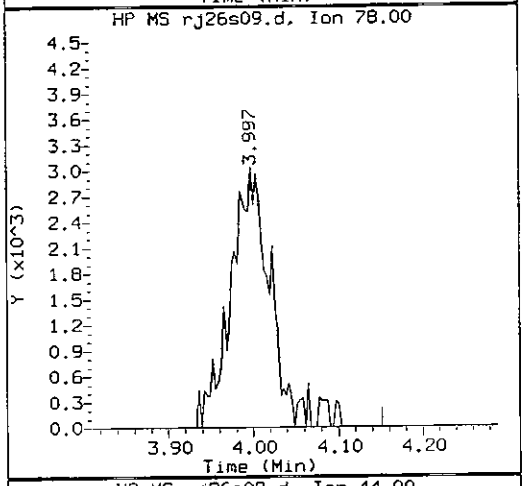
Reference Standard Spectrum for Carbon Disulfide



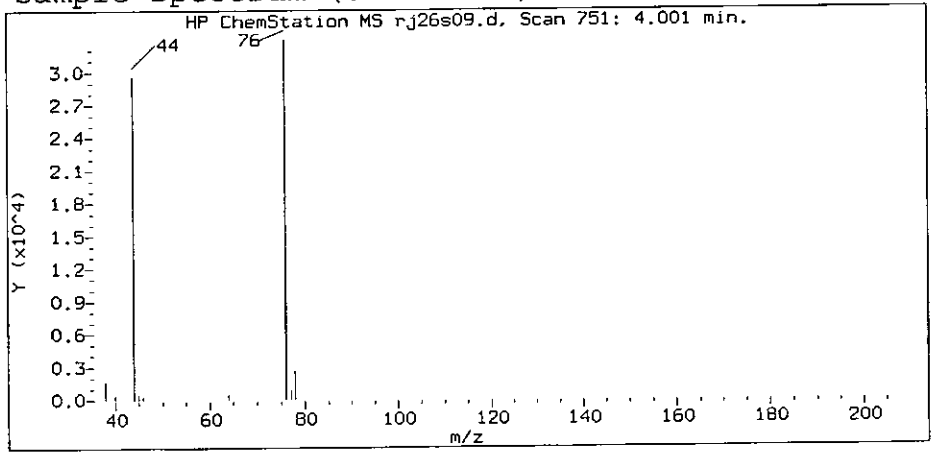


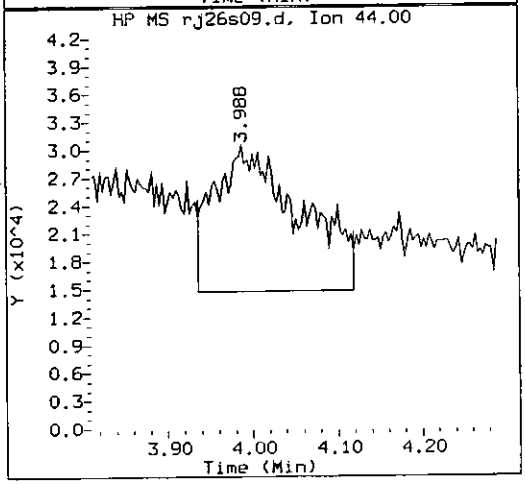
Sample Spectrum (Background Subtracted)





Sample Spectrum (Unaltered)





Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Injection date and time: 26-JAN-2006 22:42

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

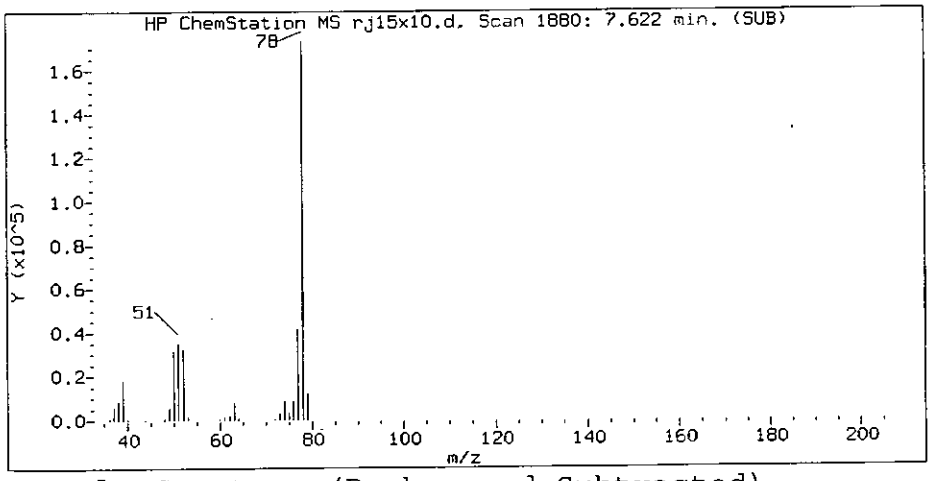
Sample Name: 6010-

Lab Sample ID: 4692572

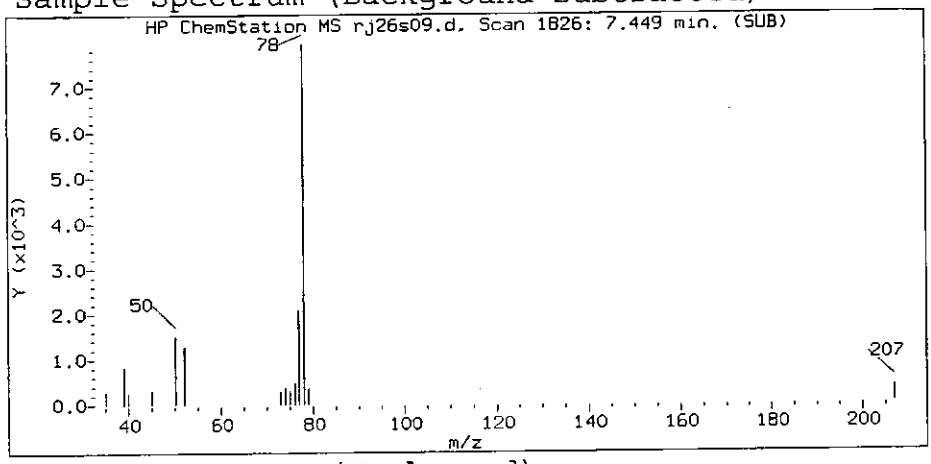
Compound Number	: 18
Compound Name	: Carbon Disulfide
Scan Number	: 751
Retention Time (minutes)	: 4.001
Quant Ion	: 76.0
Area (flag)	: 112178
Concentration (ug/Kg)	: 6.5943

0250

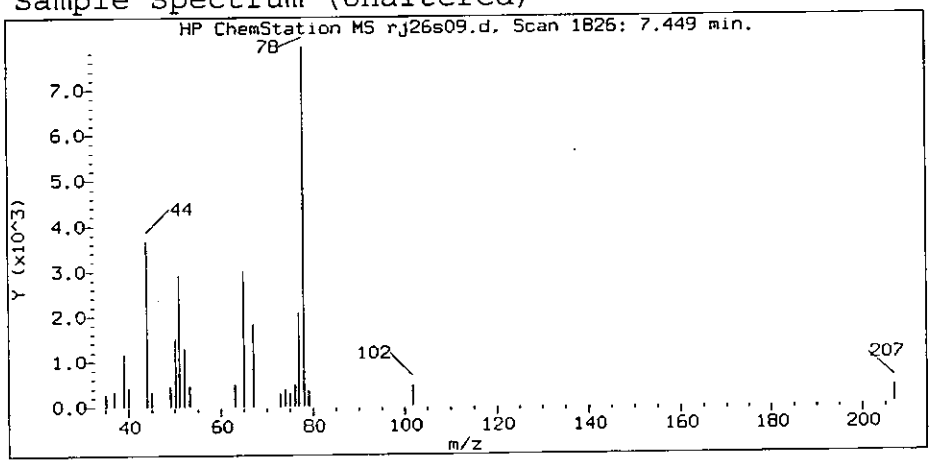
Reference Standard Spectrum for Benzene

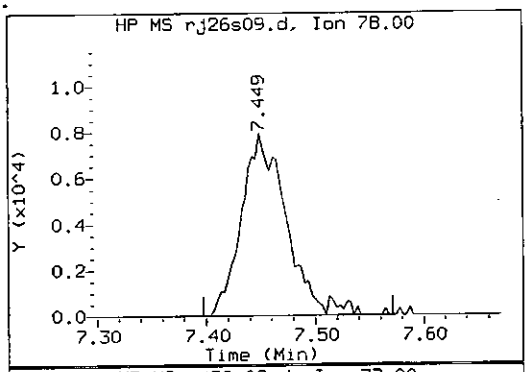


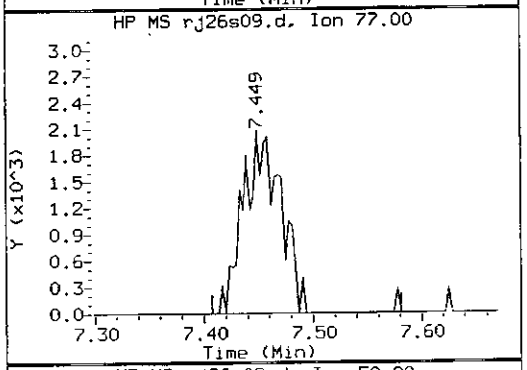
Sample Spectrum (Background Subtracted)

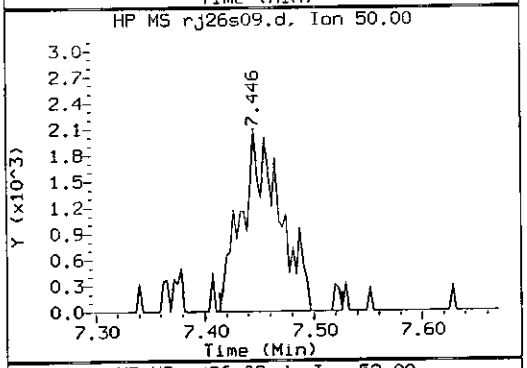


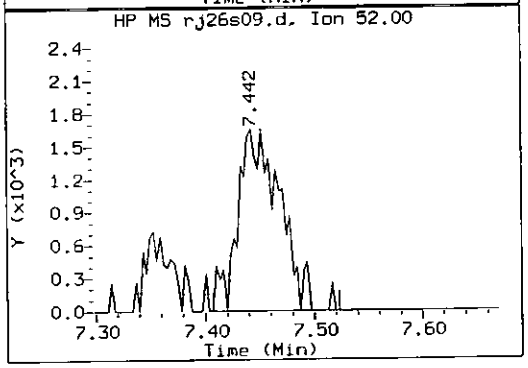
Sample Spectrum (Unaltered)











Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Injection date and time: 26-JAN-2006 22:42

Instrument ID: HP07566.i
Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

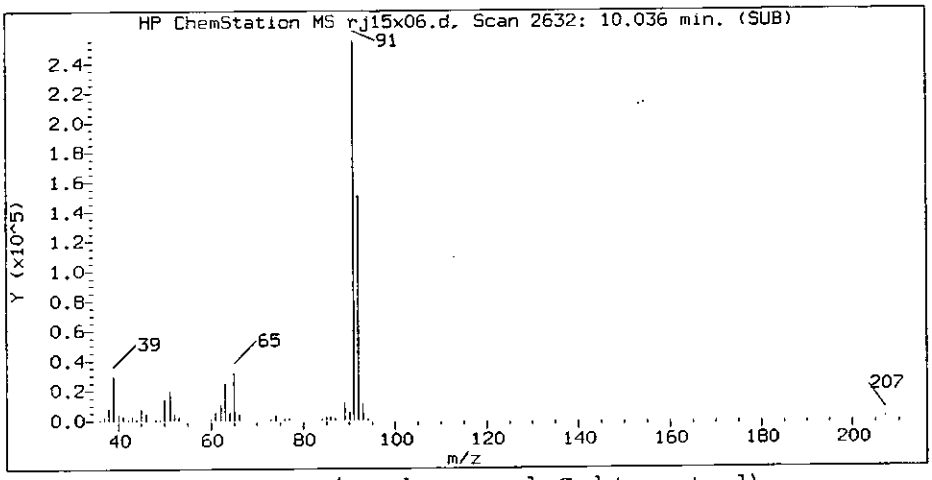
Sample Name: 6010-

Lab Sample ID: 4692572

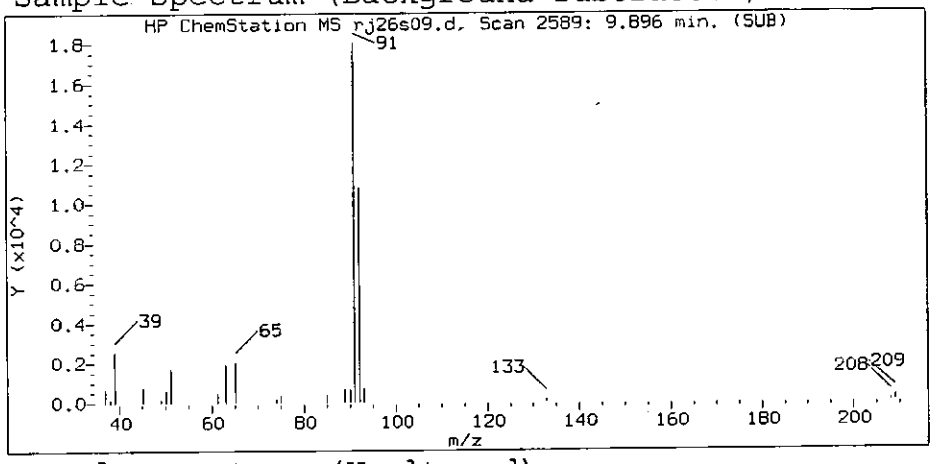
Compound Number	: 52
Compound Name	: Benzene
Scan Number	: 1826
Retention Time (minutes)	: 7.449
Quant Ion	: 78.0
Area (flag)	: 22910
Concentration (ug/Kg)	: 1.1045

0251

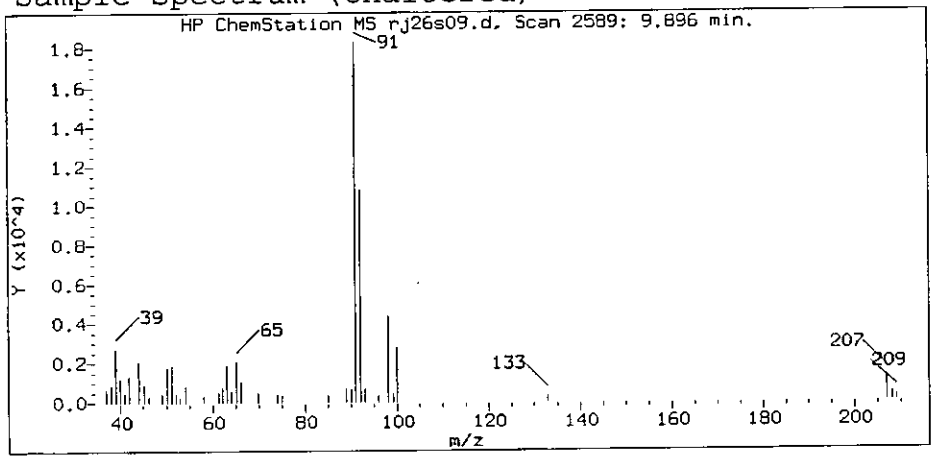
Reference Standard Spectrum for Toluene

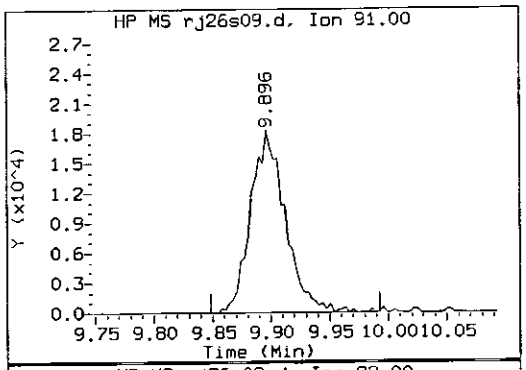


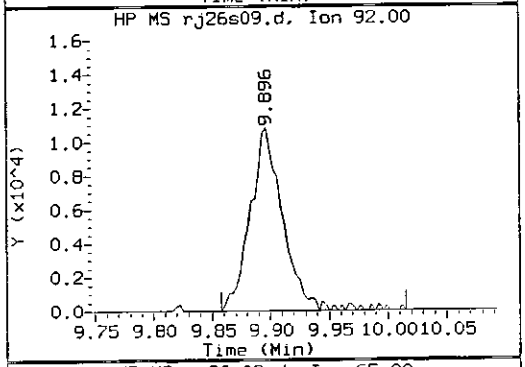
Sample Spectrum (Background Subtracted)

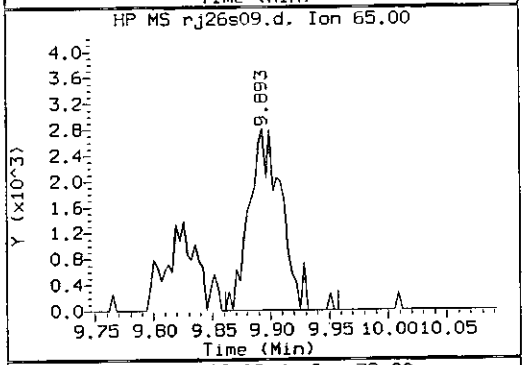


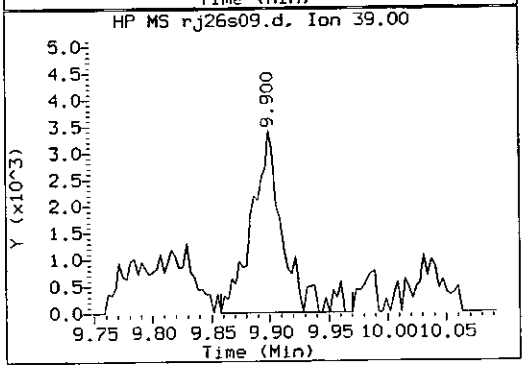
Sample Spectrum (Unaltered)











Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Injection date and time: 26-JAN-2006 22:42

Instrument ID: HP07566.i
Analyst ID: JML01693

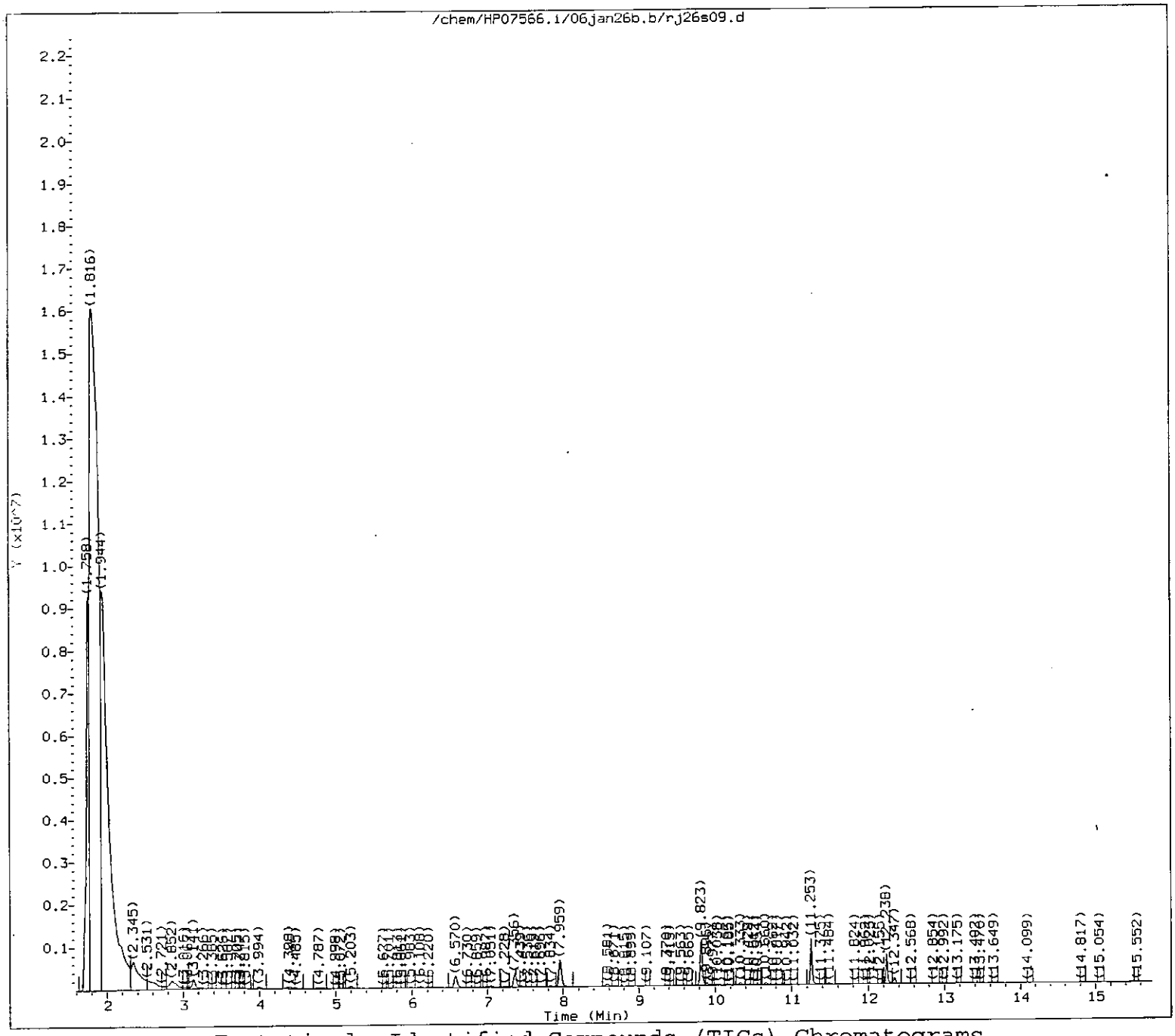
Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 26-JAN-2006 22:37
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010-

Lab Sample ID: 4692572

Compound Number	: 80
Compound Name	: Toluene
Scan Number	: 2589
Retention Time (minutes)	: 9.896
Quant Ion	: 91.0
Area (flag)	: 38139
Concentration (ug/Kg)	: 1.8980

0252



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

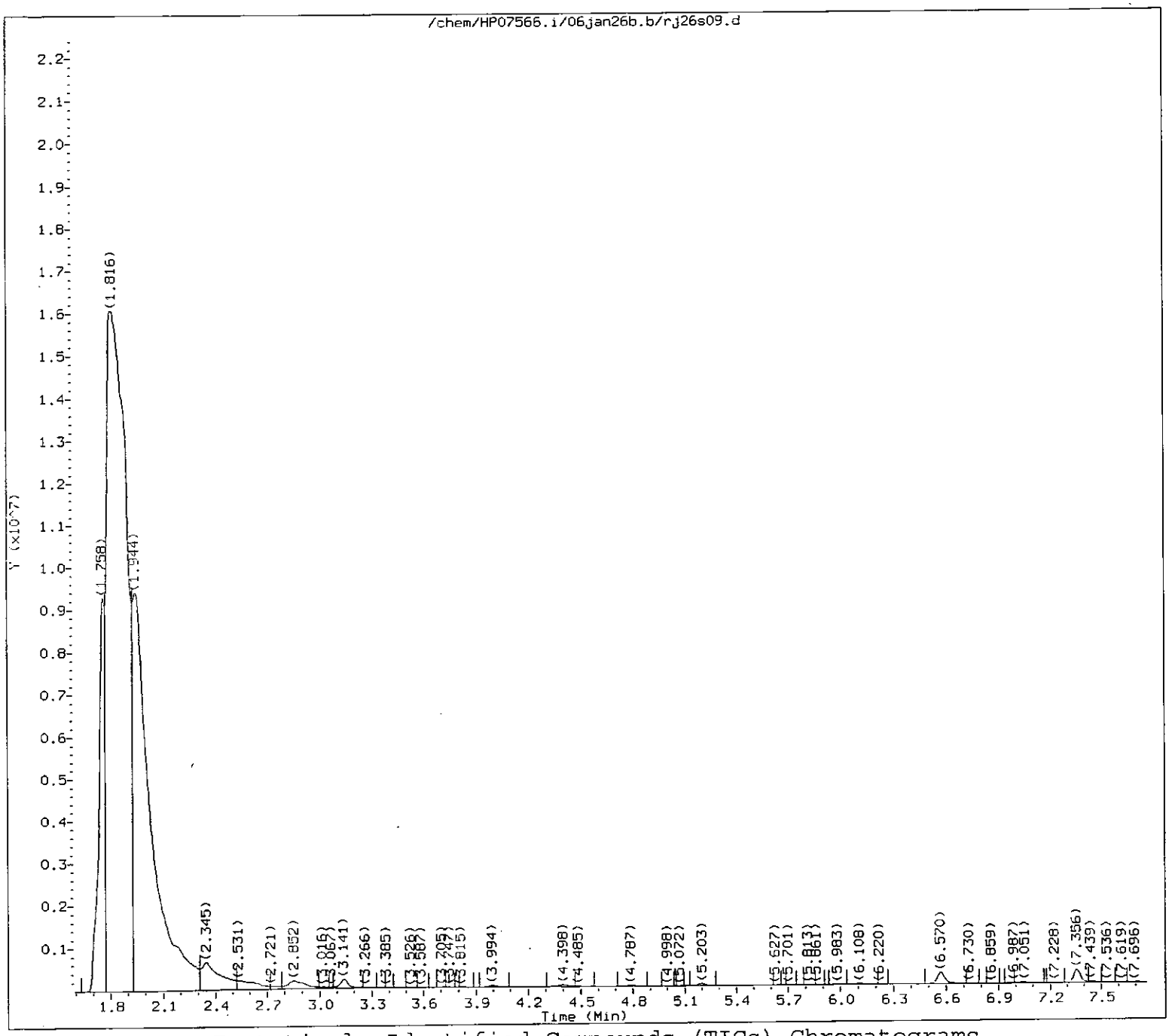
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010- Lab Sample ID: 4692572

Chromatogram Start Time (min.): 1.595
Chromatogram End Time (min.): 15.751

1/31/06

0253



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

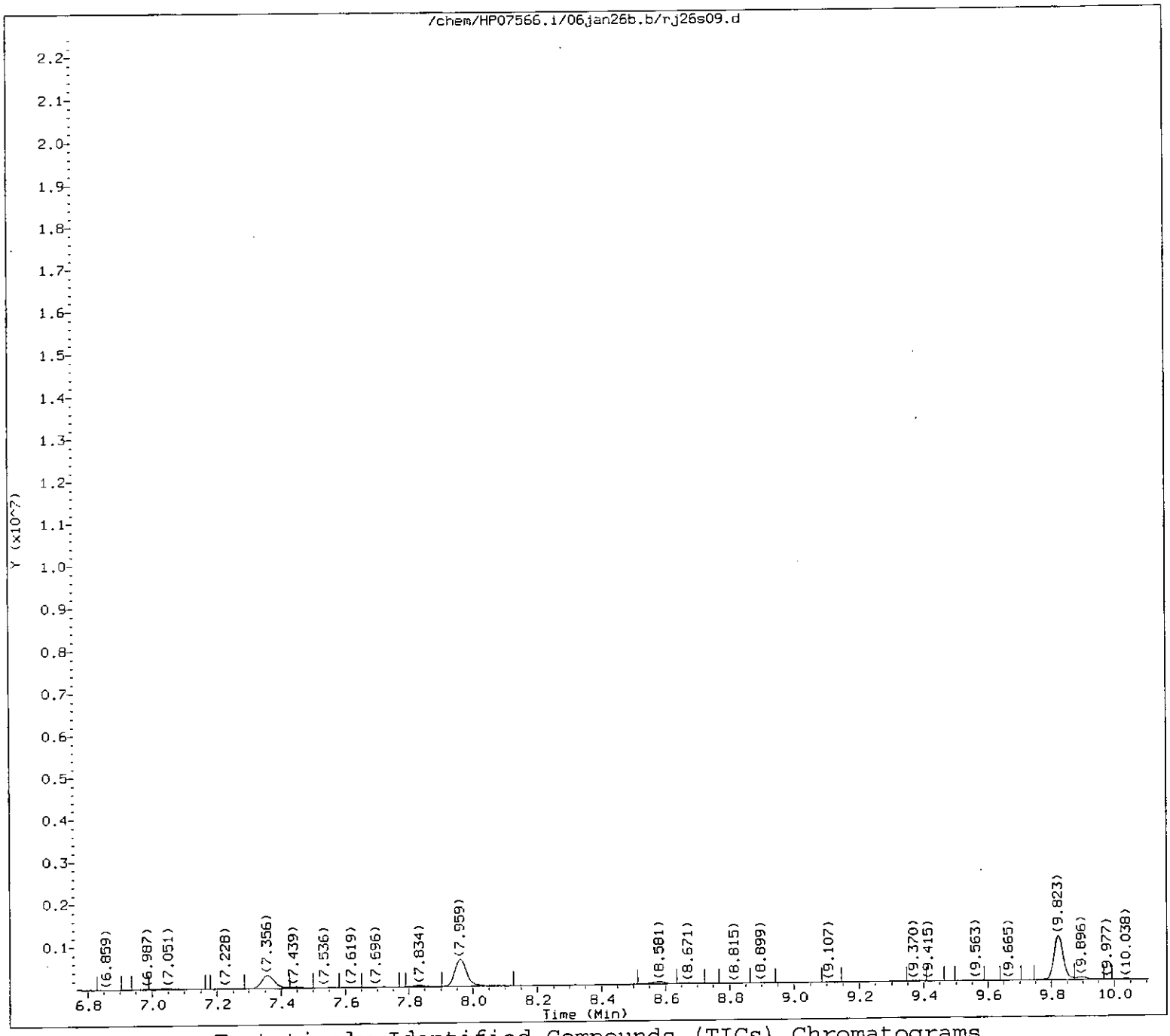
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010- Lab Sample ID: 4692572

Internal Standard referenced: Bromochloromethane at 6.570 minutes
Chromatogram Start Time (min.): 1.595
Chromatogram End Time (min.): 7.264

0254

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

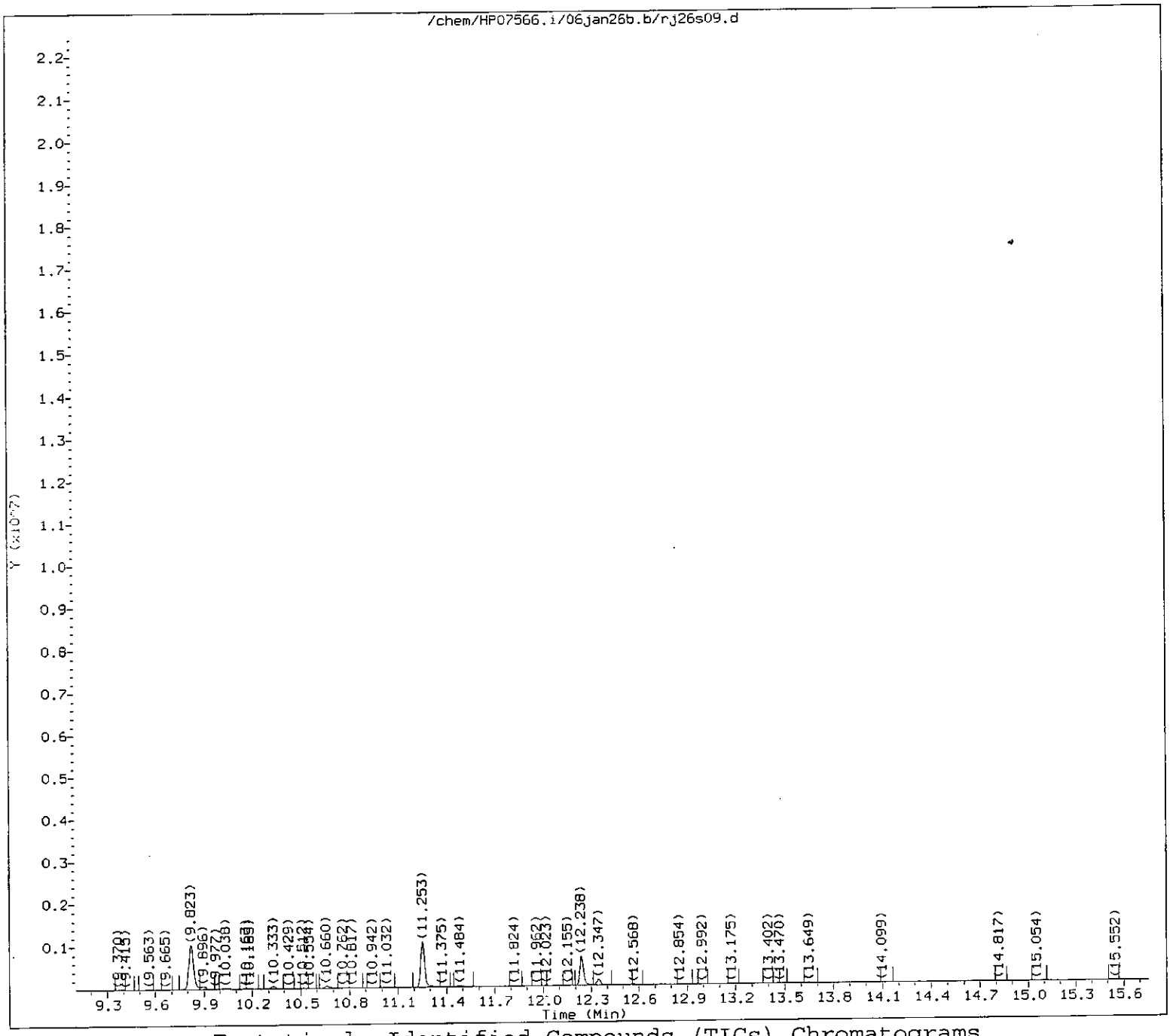
Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010- Lab Sample ID: 4692572

Internal Standard referenced: 1,4-Difluorobenzene at 7.959 minutes
Chromatogram Start Time (min.): 7.264
Chromatogram End Time (min.): 9.606

0255

1/31/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 22:42 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 31-Jan-2006 08:40 sam00983

Sample Name: 6010- Lab Sample ID: 4692572

Internal Standard referenced: Chlorobenzene-d5 at 11.253 minutes
Chromatogram Start Time (min.): 9.606
Chromatogram End Time (min.): 15.751

0256

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Report Date: 03-Feb-2006 11:42

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26s09.d
Lab Smp Id: 4692572 Client Smp ID: 6010-
Inj Date : 26-JAN-2006 22:42
Operator : JML01693 Inst ID: HP07566.i
Smp Info : 6010-;4692572;2;0;;
Misc Info : 7157.sub;R060261AA;6.11;;5;;rj26b01;193B;
Comment : Max. number of TICs to report is 31, 10 TICs were found initially.
Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m
Meth Date : 31-Jan-2006 08:01 sam00983 Quant Type: ISTD
Cal Date : 26-JAN-2006 16:59 Cal File: rj26c01.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7157.sub
Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Purge Volume
Ws	6.11000	Soil Weight

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Bromochloromethane	6.570	834810	50.000
* 58 1,4-Difluorobenzene	7.959	1696553	50.000
* 91 Chlorobenzene-d5	11.253	1874982	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	2.345	5257271	314.877983	257.6743	CAS #: 0		0	43

MMM 2/3/06

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d
Report Date: 03-Feb-2006 11:42

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Butane, 2-methyl-				CAS #: 78-78-4			
2.852	1355518	81.1871373	66.43792	86	NIST98.1	109392	43
Pentane				CAS #: 109-66-0			
3.141	726039	43.4852388	35.58530	90	NIST98.1	4653	43
Unknown alkane				CAS #:			
4.398	244492	14.6435518	11.98327	0		0	43
Unknown				CAS #:			
4.787	105533	6.32075262	5.1725	0		0	43
Unknown aliphatic				CAS #:			
5.203	186873	11.1925221	9.1592	0		0	43
Unknown				CAS #:			
6.108	107117	6.41564070	5.2501	0		0	43
Unknown aliphatic				CAS #:			
7.051	142451	8.53194592	6.9820	0		0	43
Cyclohexane, methyl-				CAS #: 108-87-2			
8.581	170689	5.03046415	4.1166	90	NIST98.1	116405	58
Unknown siloxane				CAS #:			
12.347	249744	6.65990193	5.4500	0		0	91

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Instrument: HP07566.i

Sample Info: 6010-;4692572;2;0;;

Operator: JML01693

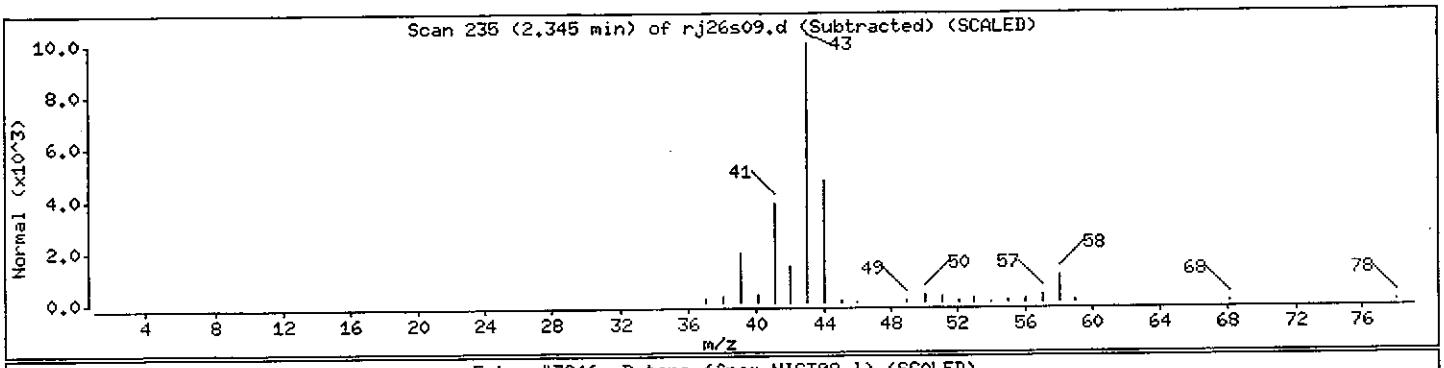
Column phase: DB-624

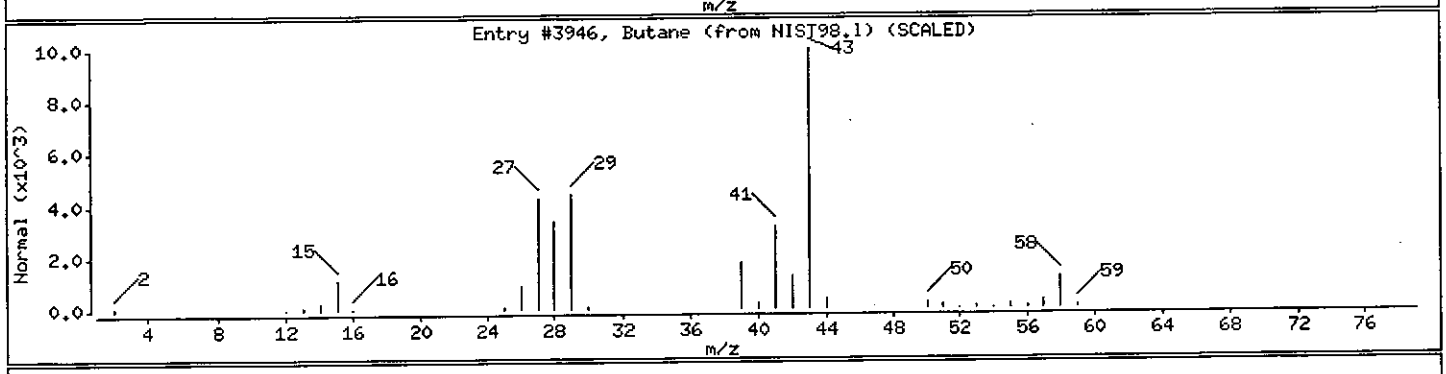
Column diameter: 0.25

Review Code:

Library Search Compound Match

	CAS Number	Library	Entry	Quality	Formula	Weight
Butane	106-97-8	NIST98.l	3946	43	C4H10	58





Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

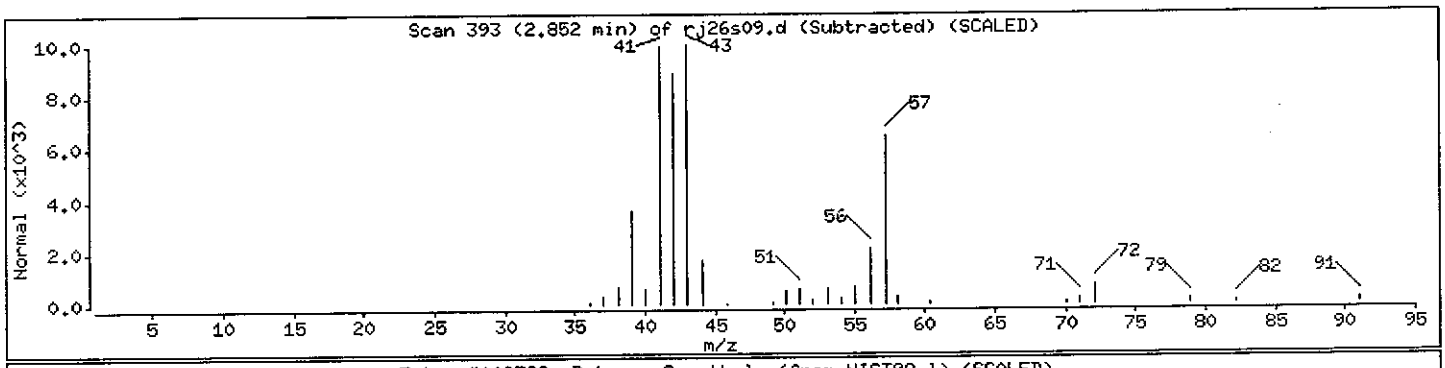
Operator: JHL01693

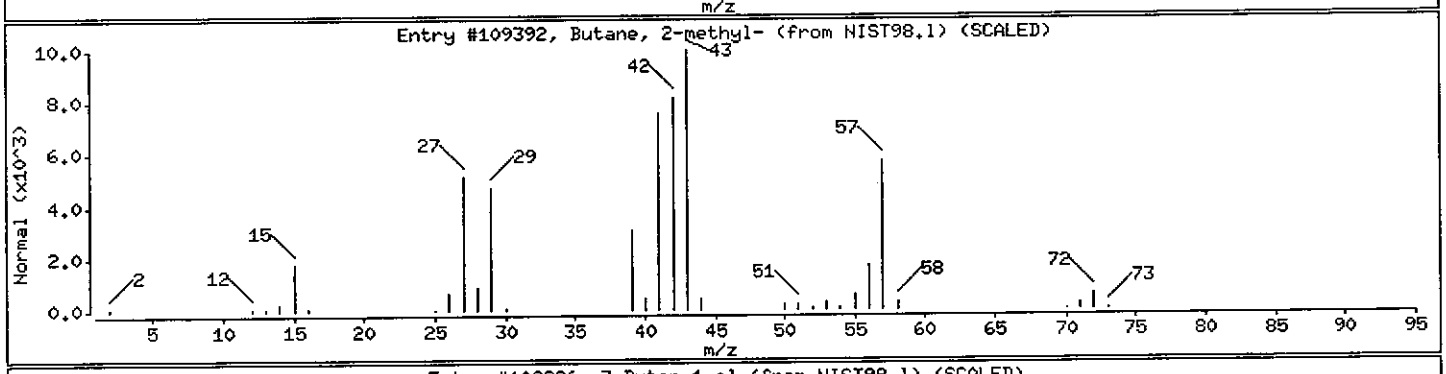
Column phase: DB-624

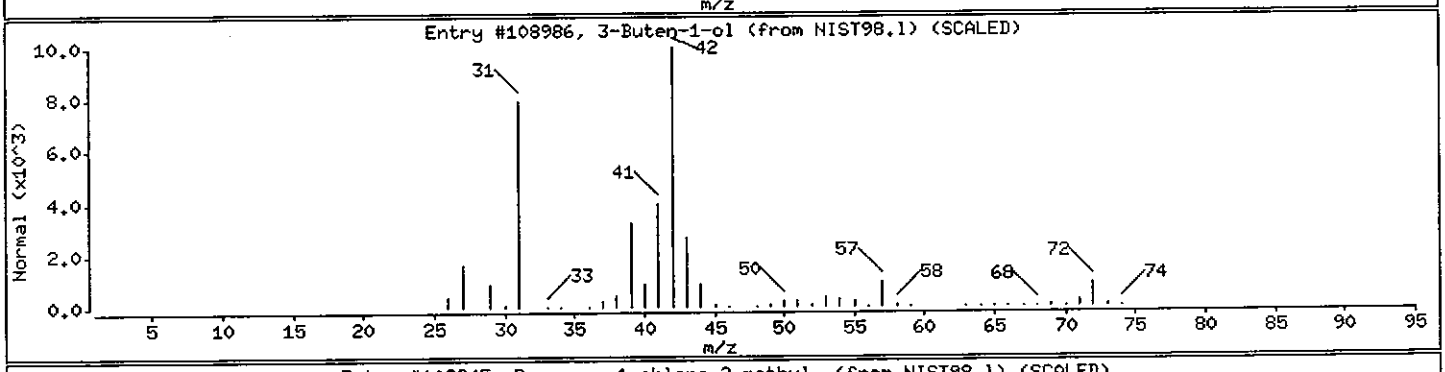
Column diameter: 0.25

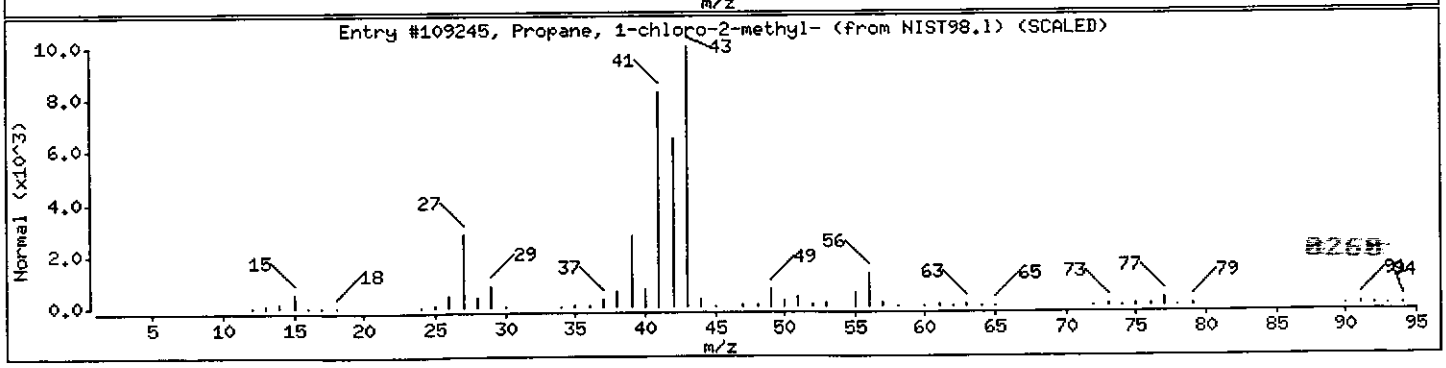
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butane, 2-methyl-	78-78-4	NIST98.1	109392	86	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	108986	47	C4H8O	72
Propane, 1-chloro-2-methyl-	513-36-0	NIST98.1	109245	45	C4H9Cl	92









Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

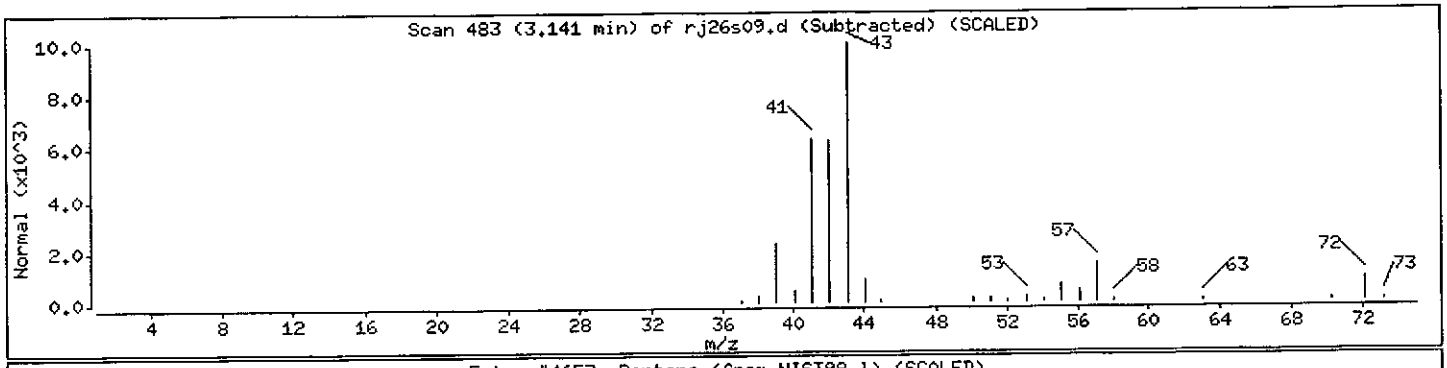
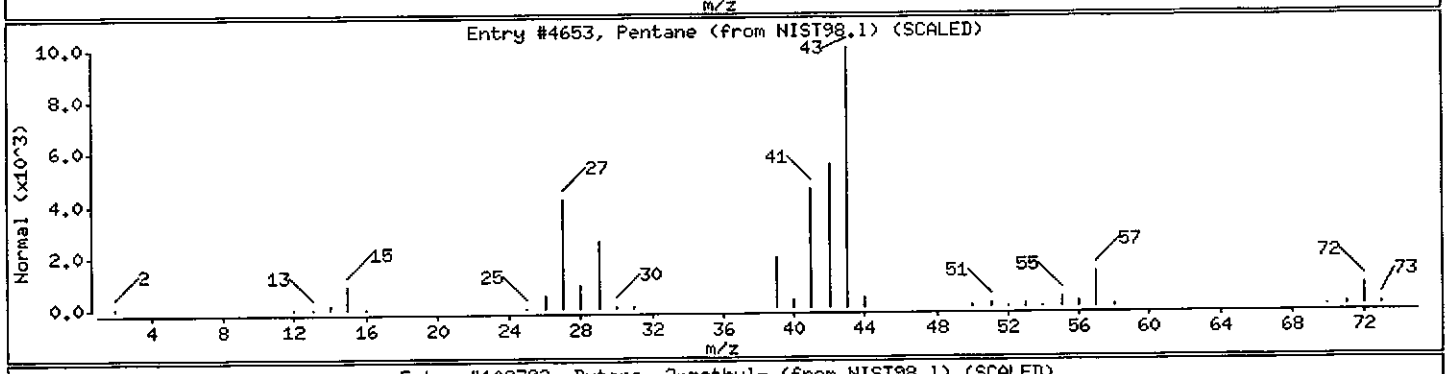
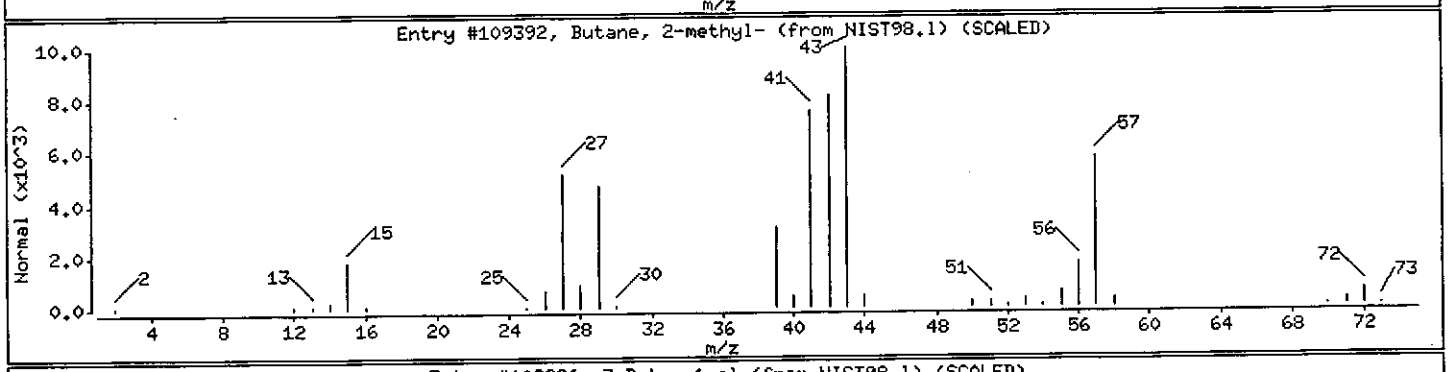
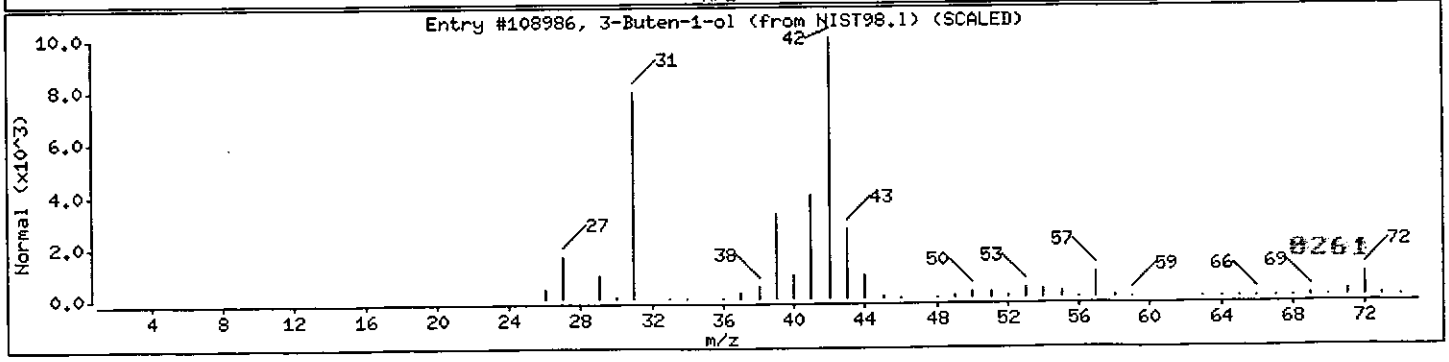
Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane	109-66-0	NIST98.1	4653	90	C5H12	72
Butane, 2-methyl-	78-78-4	NIST98.1	109392	50	C5H12	72
3-Buten-1-ol	627-27-0	NIST98.1	108986	38	C4H8O	72